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DICTIONARY FILE UPDATES: 20 AUG 2006 HIGHEST RN 902860-89-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

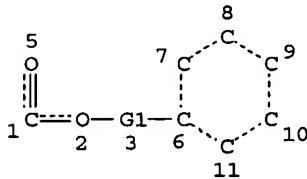
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on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d que sta 113
L11 STR



REP G1=(2-2) C
NODE ATTRIBUTES:
CONNECT IS M1 RC AT 1
CONNECT IS M1 RC AT 7
CONNECT IS M1 RC AT 8
CONNECT IS M1 RC AT 9
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE
L13 11176 SEA FILE=REGISTRY CSS FUL L11

100.0% PROCESSED 363613 ITERATIONS 11176 ANSWERS
SEARCH TIME: 00.00.02

=> b hcap
FILE 'HCAPLUS' ENTERED AT 10:16:06 ON 21 AUG 2006
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FILE COVERS 1907 - 21 Aug 2006 VOL 145 ISS 9
FILE LAST UPDATED: 20 Aug 2006 (20060820/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d all fhitstr 128 tot

L28 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:338255 HCAPLUS
DN 144:376060
ED Entered STN: 13 Apr 2006
TI Sunscreen compositions
IN Bertz, Steven H.; Orofino, Steven A.; Gorcea, Mihaela
PA ISP Investments Inc., USA
SO U.S. Pat. Appl. Publ., 6 pp.
CODEN: USXXCO
DT Patent
LA English
INCL 424059000; 424060000
CC 62-4 (Essential Oils and Cosmetics)
FAN.CNT 4

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US2006078514	A1	20060413	2004US-0961564	20041008
US2005152858	A1	20050714	2004US-0007744	20041208 <--
WO2006041506	A2	20060420	2005WO-US00825	20050110
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRAI 2003US-0617497	A2	20030711	<--	
2004US-0859533	A2	20040602		
2004US-0952948	A2	20040929		
2004US-0952949	A2	20040929		
2004US-0961564	A2	20041008		
2004US-0007744	A	20041208		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2006078514	INCL	424059000; 424060000
	IPCI	A61K0008-37 [I,A]; A61K0008-41 [I,A]; A61K0008-30 [I,C*]
US2005152858	NCL	424/059.000
	IPCI	A61K0007-42 [ICM,7]
	IPCR	A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-08 [I,C*]; C07C0067-00 [I,C*]; C07C0067-03

[I,A]; C07C0067-08 [I,A]
 NCL 424/059.000
 ECLA A61K008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78;
 C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80
 WO2006041506 IPCI A61K0008-39 [I,A]; A61K0008-30 [I,C*]; C09G0001-02
 [I,A]; C09G0001-00 [I,C*]

AB A sunscreen composition which includes at least one UV-B active ingredient therein, optionally with a UV-A active, and a phenylethyl or benzyl ester in an amount sufficient to boost the SPF rating of the UV-B active therein.

ST phenylethyl benzyl ester sunscreen compn

IT Solar UV radiation

(B; sunscreen compns. with UV-B and UV-A active ingredients and a phenylethyl or benzyl ester)

IT Quaternary ammonium compounds, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (camphor benzalkonium methosulfate stabilization of encapsulated cinnamic e; sunscreen compns. with UV-B and UV-A active ingredients and a phenylethyl or benzyl ester)

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (di-Me, 3-[4-[3-ethoxy-2-(ethoxycarbonyl)-3-oxo-1-propenyl]phenoxy]-1-propenyl Me; sunscreen compns. with UV-B and UV-A active ingredients and a phenylethyl or benzyl ester)

IT Emulsions

(oil-in-water; sunscreen compns. with UV-B and UV-A active ingredients and a phenylethyl or benzyl ester)

IT UV B radiation

(solar; sunscreen compns. with UV-B and UV-A active ingredients and a phenylethyl or benzyl ester)

IT Sunscreens

UV A radiation

(sunscreen compns. with UV-B and UV-A active ingredients and a phenylethyl or benzyl ester)

IT Emulsions

(water-in-oil; sunscreen compns. with UV-B and UV-A active ingredients and a phenylethyl or benzyl ester)

IT 69-72-7, biological studies 76-22-2, Camphor 84-62-8 94-47-3
 , 2-Phenylethyl benzoate 118-56-9, Homosalate 118-60-5 120-51-4,
 Benzyl benzoate 120-51-4D, Benzyl benzoate, substituted 131-57-7,
 Benzophenone-3 150-13-0 150-13-0D, PABA, PEG-25 4065-45-6,
 Benzophenone-4 4151-45-5, Cinnamate, biological studies 5466-77-3
 6197-30-4, Octocrylene 6628-37-1, Benzophenone-5 13358-49-1,
 1-Phenylethyl benzoate 15087-24-8, 3-Benzylidene camphor 21245-02-3
 27503-81-7, Phenylbenzimidazole sulfonic acid 36861-47-9,
 4-Methylbenzylidene camphor 54472-84-3 55511-48-3 67143-93-5
 70356-09-1, Avobenzone 71617-10-2 88122-99-0, Ethylhexyl triazone
 92761-26-7 103597-45-1 154702-15-5, Diethylhexyl butamido triazone
 155633-54-8, Drometrizole trisiloxane 180898-37-7, Disodium
 phenyldibenzimidazole tetrasulfonate 550345-70-5

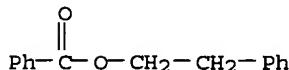
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (sunscreen compns. with UV-B and UV-A active ingredients and a phenylethyl or benzyl ester)

IT 94-47-3, 2-Phenylethyl benzoate

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (sunscreen compns. with UV-B and UV-A active ingredients and a phenylethyl or benzyl ester)

RN 94-47-3 HCAPLUS

CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



L28 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:614472 HCAPLUS
 DN 143:120093
 ED Entered STN: 15 Jul 2005
 TI Solubilizing agents for active or functional organic compounds
 IN Bertz, Steven H.; Makarovskiy, Ilya; Laura, Donna N.
 PA ISP Investments Inc., USA
 SO U.S. Pat. Appl. Publ., 13 pp., Cont.-in-part of U.S. Ser. No. 961,564.
 CODEN: USXXCO
 DT Patent
 LA English
 IC ICM A61K-0007/42
 INCL 424059000; 514532000; 514538000
 CC 62-4 (Essential Oils and Cosmetics)
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US2005152858	A1	20050714	2004US-0007744	20041208 <--
	US2005008586	A1	20050113	2003US-0617497	20030711 <--
	US2005019280	A1	20050127	2004US-0859533	20040602 <--
	US2006067900	A1	20060330	2004US-0952948	20040929
	US2006067901	A1	20060330	2004US-0952949	20040929
	US2006078514	A1	20060413	2004US-0961564	20041008
	WO2006041506	A2	20060420	2005WO-US00825	20050110
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRAI	2003US-0617497	A2	20030711 <--		
	2004US-0859533	A2	20040602		
	2004US-0952948	A2	20040929		
	2004US-0952949	A2	20040929		
	2004US-0961564	A2	20041008		
	2004US-0007744	A	20041208		

CLASS	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2005152858	ICM	A61K-0007/42	
	INCL	424059000; 514532000; 514538000	
	IPCI	A61K0007-42 [ICM, 7]	
	IPCR	A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-08 [I,C*]; C07C0067-00 [I,C*]; C07C0067-03 [I,A]; C07C0067-08 [I,A]	
	NCL	424/059.000; 514/532.000; 514/538.000	
	ECLA	A61K008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80	
US2005008586	IPCI	A61K0007-42 [ICM, 7]	
	IPCR	A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-08 [I,C*]; C07C0067-00 [I,C*]; C07C0067-03 [I,A]; C07C0067-08 [I,A]	
	NCL	424/059.000	
	ECLA	A61K008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80	
US2005019280	IPCI	A61K0007-42 [ICM, 7]	
	IPCR	A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-08 [I,C*]; C07C0067-00 [I,C*]; C07C0067-03	

		[I,A]; C07C0067-08 [I,A]
	NCL	424/059.000
	ECLA	A61K008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80
US2006067900	IPCI	A61K0008-39 [I,A]; A61K0008-30 [I,C*]; C09G0001-02 [I,A]; C09G0001-00 [I,C*]
	NCL	424/064.000; 106/003.000
	ECLA	A61K008/37; A61Q017/04; A61Q019/08
US2006067901	IPCI	A61K0008-28 [I,A]; A61K0008-19 [I,C*]
	NCL	424/066.000
	ECLA	A61K008/37; A61Q015/00
US2006078514	IPCI	A61K0008-37 [I,A]; A61K0008-41 [I,A]; A61K0008-30 [I,C*]
	NCL	424/059.000; 424/060.000
WO2006041506	IPCI	A61K0008-39 [I,A]; A61K0008-30 [I,C*]; C09G0001-02 [I,A]; C09G0001-00 [I,C*]

OS MARPAT 143:120093

AB An active or functional organic compound is solubilized in a diaryl organic compound having a polar or polarizable functional group therein, as a solvent, cosolvent or additive, to form a composition thereof. Representative active or functional organic compds. include those present in personal care products, e.g., sunscreens containing UVA/UVB absorbing compds., such as avobenzone, benzophenone-3, and 4-methylbenzylidene camphor. Such compns. also show increased SPF, UVA/UVB absorbance ratio, and critical wavelength performance properties.

ST solubilizer diaryl org compd sunscreen

IT Alcohols, biological studies

RL: COS (Cosmetic use); PRP (Properties); BIOL (Biological study); USES (Uses)

(aralkyl, esters; solubilizing agents for active or functional organic compds.)

IT Carboxylic acids, biological studies

RL: COS (Cosmetic use); PRP (Properties); BIOL (Biological study); USES (Uses)

(aromatic, esters; solubilizing agents for active or functional organic compds.)

IT Quaternary ammonium compounds, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(camphor benzalkonium methosulfates; solubilizing agents for active or functional organic compds.)

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(di-Me, 3-[4-[3-ethoxy-2-(ethoxycarbonyl)-3-oxo-1-propenyl]phenoxy]-1-propenyl Me; solubilizing agents for active or functional organic compds.)

IT Phenols, biological studies

RL: COS (Cosmetic use); PRP (Properties); BIOL (Biological study); USES (Uses)

(esters; solubilizing agents for active or functional organic compds.)

IT Solubilizers

Sunscreens

(solubilizing agents for active or functional organic compds.)

IT Organic compounds, biological studies

Polyoxyalkylenes, biological studies

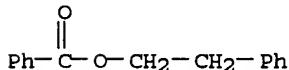
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(solubilizing agents for active or functional organic compds.)

IT 118-56-9, Homosalate 118-60-5 131-57-7, Benzophenone-3 150-13-0, p-Aminobenzoic acid 4065-45-6, Benzophenone-4 5466-77-3 6197-30-4, Octocrylene 6628-37-1, Benzophenone-5 15087-24-8, 3-Benzylidene camphor 15087-24-8D, polyacrylamido derivs. 21245-02-3 25322-68-3D, PEG, PABA complex 27503-81-7, Phenylbenzimidazole sulfonic acid 36861-47-9, 4-Methylbenzylidene camphor 54472-84-3 70356-09-1, Avobenzone 71617-10-2, Isoamyl p-methoxycinnamate 88122-99-0, Ethylhexyl triazole 103597-45-1 154702-15-5, Diethylhexyl butamido triazole 155633-54-8, Drometrizole trisiloxane 169169-08-8 180898-37-7, Disodium phenyldibenzimidazole tetrasulfonate 730957-80-9

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(solubilizing agents for active or functional organic compds.)
 IT 94-47-3, 2-Phenylethyl benzoate 102-20-5, 2-Phenylethyl
 Phenylacetate 120-51-4, Benzyl benzoate 4173-59-5, 2-Phenoxyethyl
 benzoate 6290-44-4 13358-49-1, 1-Phenylethyl benzoate
 15014-25-2, Dibenzyl malonate 19224-26-1, Propylene glycol dibenzoate
 23450-30-8, p-MethylBenzyl benzoate 51801-00-4 56961-74-1,
 1-Phenylethyl Phenylacetate 58687-92-6 60045-26-3, 3-Phenylpropyl
 benzoate 60045-27-4 76414-19-2 90172-19-3 101584-47-8
 203587-50-2 212261-14-8 441283-37-0
 500286-29-3 857839-66-8 857839-67-9 857839-68-0
 RL: COS (Cosmetic use); PRP (Properties); BIOL (Biological study); USES
 (Uses)
 (solubilizing agents for active or functional organic compds.)
 IT 94-47-3, 2-Phenylethyl benzoate
 RL: COS (Cosmetic use); PRP (Properties); BIOL (Biological study); USES
 (Uses)
 (solubilizing agents for active or functional organic compds.)
 RN 94-47-3 HCAPLUS
 CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



L28 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:76129 HCAPLUS
 DN 142:162065
 ED Entered STN: 28 Jan 2005
 TI Compositions containing phenethyl aryl esters as solubilizing agents for
 active organic compounds
 IN Bertz, Steven H.; D'Arcangelis, Samuel T.;
 Makarovsky, Ilya; Rerek, Mark
 PA USA
 SO U.S. Pat. Appl. Publ., 8 pp., Cont.-in-part of U.S. Ser. No. 617,497.
 CODEN: USXXCO
 DT Patent
 LA English
 IC ICM A61K-0007/42
 INCL 424059000
 CC 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 5, 25, 63

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US2005019280	A1	20050127	2004US-0859533	20040602 <--
	US2005008586	A1	20050113	2003US-0617497	20030711 <--
	US2005152858	A1	20050714	2004US-0007744	20041208 <--
PRAI	2003US-0617497	A2	20030711 <--		
	2004US-0859533	A2	20040602		
	2004US-0952948	A2	20040929		
	2004US-0952949	A2	20040929		
	2004US-0961564	A2	20041008		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2005019280	ICM	A61K-0007/42
	INCL	424059000
	IPCI	A61K0007-42 [ICM,7]
	IPCR	A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-08 [I,C*]; C07C0067-00 [I,C*]; C07C0067-03 [I,A]; C07C0067-08 [I,A]
	NCL	424/059.000

	ECLA	A61K008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80
US2005008586	IPCI	A61K0007-42 [ICM, 7]
	IPCR	A61K0008-30 [I, C*]; A61K0008-37 [I, A]; A61Q0017-04 [I, A]; A61Q0017-04 [I, C*]; A61Q0019-08 [I, A]; A61Q0019-08 [I, C*]; C07C0067-00 [I, C*]; C07C0067-03 [I, A]; C07C0067-08 [I, A]
	NCL	424/059.000
	ECLA	A61K008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80
US2005152858	IPCI	A61K0007-42 [ICM, 7]
	IPCR	A61K0008-30 [I, C*]; A61K0008-37 [I, A]; A61Q0017-04 [I, A]; A61Q0017-04 [I, C*]; A61Q0019-08 [I, A]; A61Q0019-08 [I, C*]; C07C0067-00 [I, C*]; C07C0067-03 [I, A]; C07C0067-08 [I, A]
	NCL	424/059.000; 514/532.000; 514/538.000
	ECLA	A61K008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80

AB An active or functional organic compound is solubilized in a phenylethyl ester, e.g. an aryl carboxylic ester of 2-phenylethyl alc., as a solvent, cosolvent or additive, to form a composition thereof. Representative active or functional organic compds. include personal care products, e.g. sunscreens containing UVA/UVB absorbing compds., such as avobenzone and benzophenone-3. Such compns. also show increased critical wavelength and UVA/UVB absorbance ratio performance properties. Furthermore, the functional organic compds. include pharmaceutical, agricultural, and industrial compds. For example, 2-phenylethyl benzoate was prepared and its solubilizing power for solid organic sunscreens, such as Escalol 517 and Escalol 567, were demonstrated.

ST phenethyl aryl ester solubilizer sunscreen drug agrochem; phenylethyl benzoate prepn solubilizer sunscreen

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Polysilicone 15; phenethyl aryl esters as solubilizing agents for active organic compds.)

IT Optical filters

(UV; phenethyl aryl esters as solubilizing agents for active organic compds.)

IT Quaternary ammonium compounds, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(camphor benzalkonium methosulfates; phenethyl aryl esters as solubilizing agents for active organic compds.)

IT Agrochemicals

Drugs

Solubilizers

Sunscreens

(phenethyl aryl esters as solubilizing agents for active organic compds.)

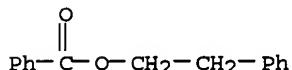
IT 118-56-9, Homosalate 118-60-5 131-57-7, Escalol 567 150-13-0, p-Aminobenzoic acid 4065-45-6, Benzophenone-4 5466-77-3 6197-30-4, Octocrylene 6628-37-1, Benzophenone-5 15087-24-8D, Benzylidene camphor, polyacrylamido derivs. 21245-02-3 27503-81-7, Phenylbenzimidazole sulfonic acid 36861-47-9, 4-Methylbenzylidene camphor 54472-84-3 70356-09-1, Escalol 517 71617-10-2, Isoamyl p-methoxycinnamate 88122-99-0, Ethylhexyl triazone 103597-45-1 154702-15-5, Diethylhexyl butamido triazone 155633-54-8, Drometrizole trisiloxane 168475-44-3 169169-08-8 180898-37-7, Disodium phenyldibenzimidazoletetrasulfonate 730957-80-9.

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(phenethyl aryl esters as solubilizing agents for active organic compds.)

IT 50-49-7, Imipramine 52-01-7, Spironolactone 54-31-9, Furosemide 58-32-2, Dipyridamole 58-94-6, Chlorthiazide 298-46-4, Carbamazepine 630-93-3, Dilantin 3380-34-5, Triclosan 10238-21-8, Glyburide 15307-86-5, Diclofenac 28159-98-0, Nuocide 1051 29091-21-2, Prodiamine 53230-10-7, Mefloquine 59865-13-3, Cyclosporine 63798-73-2, Cyclosporin E 66085-59-4, Nimodipine 75330-75-5, Lovastatin 76824-35-6, Famotidine 81103-11-9, Clarithromycin

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(phenethyl aryl esters as solubilizing agents for active organic compds.)
 IT 75-75-2, Methanesulfonic acid 814-94-8, Fascat 2001 818-08-6, Fascat
 4201 6303-21-5, Hypophosphorous acid 25448-25-3, Triisodecyl phosphite
 RL: CAT (Catalyst use); USES (Uses)
 (preparation of phenethyl aryl esters as solubilizing agents for active organic
 compds.)
 IT 94-47-3P, 2-Phenylethyl benzoate 13330-42-2P
 203587-50-2P 500286-29-3P
 RL: MSC (Miscellaneous); SPN (Synthetic preparation); PREP (Preparation)
 (preparation of phenethyl aryl esters as solubilizing agents for active organic
 compds.)
 IT 60-12-8, 2-Phenylethyl alcohol 65-85-0, Benzoic acid, reactions
 85-44-9, Phthalic anhydride 93-58-3, Methyl benzoate 99-94-5,
 p-Methylbenzoic acid 118-90-1, o-Methylbenzoic acid
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of phenethyl aryl esters as solubilizing agents for active organic
 compds.)
 IT 94-47-3P, 2-Phenylethyl benzoate
 RL: MSC (Miscellaneous); SPN (Synthetic preparation); PREP (Preparation)
 (preparation of phenethyl aryl esters as solubilizing agents for active organic
 compds.)
 RN 94-47-3 HCAPLUS
 CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



L28 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:36411 HCAPLUS
 DN 142:140800
 ED Entered STN: 14 Jan 2005
 TI Compositions containing phenethyl aryl esters as solubilizing agents for
 active organic compounds
 IN Bertz, Steven H.; D'Arcangelis, Samuel T.;
 Makarovsky, Ilya; Rerek, Mark
 PA ISP Investments Inc., USA
 SO U.S. Pat. Appl. Publ., 7 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 IC ICM A61K-0007/42
 INCL 424059000
 CC 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 5, 25, 42, 63
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US2005008586	A1	20050113	2003US-0617497	20030711 <--
	US2005019280	A1	20050127	2004US-0859533	20040602 <--
	AU2004258836	A1	20050203	2004AU-0258836	20040602 <--
	CA---2527505	AA	20050203	2004CA-2527505	20040602 <--
	WO2005009341	A2	20050203	2004WO-US17500	20040602 <--
	WO2005009341	A3	20051222		
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SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

EP---1648853 A2 20060426 2004EP-0754167 20040602 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR
US2005152858 A1 20050714 2004US-0007744 20041208 <--
PRAI 2003US-0617497 A2 20030711 <--
2004US-0859533 A2 20040602
2004WO-US17500 W 20040602
2004US-0952948 A2 20040929
2004US-0952949 A2 20040929
2004US-0961564 A2 20041008

CLASS

PATENT NO. CLASS PATENT FAMILY CLASSIFICATION CODES

US 2005008586	ICM	A61K-0007/42	
	INCL	424059000	
	IPCI	A61K0007-42 [ICM, 7]	
	IPCR	A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-08 [I,C*]; C07C0067-00 [I,C*]; C07C0067-03 [I,A]; C07C0067-08 [I,A]	
	NCL	424/059.000	
	ECLA	A61K0008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80	
US2005019280	IPCI	A61K0007-42 [ICM, 7]	
	IPCR	A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-08 [I,C*]; C07C0067-00 [I,C*]; C07C0067-03 [I,A]; C07C0067-08 [I,A]	
	NCL	424/059.000	
	ECLA	A61K0008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80	
AU2004258836	IPCI	C07C0067-00 [I,C]; C07C0067-03 [I,A]	
	IPCR	A61K0008-30 [I,C*]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,C*]; C07C0067-00 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A]; A61Q0019-08 [I,A]; C07C0067-03 [I,A]; C07C0067-08 [I,A]	
CA---2527505	IPCI	A01N0025-00 [I,A]; C07C0067-14 [I,A]; C07C0067-00 [I,C*]	
	IPCR	A61K0008-30 [I,C*]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,C*]; C07C0067-00 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A]; A61Q0019-08 [I,A]; C07C0067-03 [I,A]; C07C0067-08 [I,A]	
	ECLA	A61K0008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80	
WO2005009341	IPCI	A61K [ICM, 7]	
	IPCR	A61K0008-30 [I,C*]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,C*]; C07C0067-00 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A]; A61Q0019-08 [I,A]; C07C0067-03 [I,A]; C07C0067-08 [I,A]	
	ECLA	A61K0008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80	
EP---1648853	IPCI	C07C0067-14 [ICM, 7]; C07C0067-00 [ICM, 7,C*]	
	ECLA	A61K0008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80	
US2005152858	IPCI	A61K0007-42 [ICM, 7]	
	IPCR	A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-08 [I,C*]; C07C0067-00 [I,C*]; C07C0067-03 [I,A]; C07C0067-08 [I,A]	
	NCL	424/059.000; 514/532.000; 514/538.000	
	ECLA	A61K0008/37; A61Q017/04; A61Q019/08; C07C067/03+69/78; C07C067/08+69/76; C07C067/08+69/78; C07C067/08+69/80	

OS CASREACT 142:140800

AB An active or functional organic compound is solubilized in a phenylethyl ester,

e.g. an aryl carboxylic ester of 2-phenylethyl alc., as a solvent, cosolvent or additive, to form a composition thereof. Representative active or functional organic compds. include personal care products, e.g. sunscreens containing UVA/UVB absorbing compds., such as avobenzone and benzophenone-3. Such compns. also show increased critical wavelength and UVA/UVB absorbance ratio performance properties. For example, the absorption and UV absorber property of Escalol 517 was improved when using 2-phenylethyl benzoate synthesized from benzoic acid and phenylethyl ether as the solvent.

ST phenethyl aryl ester solubilizing agent sunscreen cosmetic; Escalol 517 phenylethyl benzoate benzoic acid phenylethyl ether prepn

IT Cosmetics

(antiaging; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chms. and industrial paints)

IT Paints

(antifouling; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chms. and industrial paints)

IT Carboxylic acids, biological studies

RL: AGR (Agricultural use); COS (Cosmetic use); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(aromatic, esters with phenylethyl alc.; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chms. and industrial paints)

IT Agriculture and Agricultural chemistry

Cosmetics

Drugs

Solar absorbers

Solubility

Solubilizers

Sunscreens

UV A radiation

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chms. and industrial paints)

IT 70356-09-1, Escalol 517

RL: COS (Cosmetic use); PRP (Properties); BIOL (Biological study); USES (Uses)

(Avobenzone; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chms. and industrial paints)

IT 28159-98-0, Nuocide 1051

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(anti-fouling paints for boats; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chms. and industrial paints)

IT 94-47-3P, 2-Phenylethyl benzoate 203587-50-2P

500286-29-3P

RL: AGR (Agricultural use); COS (Cosmetic use); SPN (Synthetic preparation); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chms. and industrial paints)

IT 60-12-8D, 2-Phenylethyl alcohol, esters of aryl carboxylic acids

RL: AGR (Agricultural use); COS (Cosmetic use); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chms. and industrial paints)

IT 29091-21-2, Prodiamine

RL: AGR (Agricultural use); PRP (Properties); BIOL (Biological study); USES (Uses)

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chms. and industrial paints)

IT 75-75-2, Methanesulfonic acid 814-94-8, Fascat 2001 818-08-6, Fascat 4201 2273-43-0, Fascat 4100 6303-21-5, Hypophosphorous acid

14536-20-0 25448-25-3, Triisodecylphosphite
 RL: CAT (Catalyst use); USES (Uses)
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 136392-67-1, Stabileze QM
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 118-60-5, Escalol 587 131-57-7, Escalol 567 3380-34-5, Triclosan
 5466-77-3, Escalol 557 9004-99-3, Cerasynt 840 31566-31-1, Cerasynt 945
 RL: COS (Cosmetic use); PRP (Properties); BIOL (Biological study); USES (Uses)
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

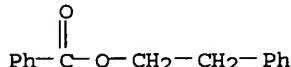
IT 60-12-8, 2-Phenylethyl alcohol 65-85-0, Benzoic acid, reactions
 85-44-9, Phthalic anhydride 93-58-3, Methyl benzoate 99-94-5
 118-90-1
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 13330-42-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 94-47-3P, 2-Phenylethyl benzoate
 RL: AGR (Agricultural use); COS (Cosmetic use); SPN (Synthetic preparation); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

RN 94-47-3 HCPLUS

CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



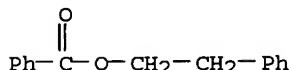
L28 ANSWER 5 OF 5 HCPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:887285 HCPLUS
 DN 142:451429
 ED Entered STN: 26 Oct 2004
 TI Reduction of the whitening effect of anti-perspirants by using phenyl ethyl benzoate as the emollient carrier for the antiperspirant active
 AU Yates, Jeremy; Taillebois, Cecile; Moore, Jonathan
 CS ISP Europe, UK
 SO Research Disclosure (2004), 485(Sept.), P1154 (No. 485003)
 CODEN: RSDSBB; ISSN: 0374-4353
 PB Kenneth Mason Publications Ltd.
 DT Journal; Patent
 LA English
 CC 62-4 (Essential Oils and Cosmetics)

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI RD---485003	-----	20040910	-----	-----

PRAI 2004RD-0485003 20040910
 AB The International Specialty Products (ISP) has developed formulations that demonstrate a reduction of the whitening effect of antiperspirant actives when Ph Et benzoate is incorporated as the emollient carrier. Significant reduction of whitening has been demonstrated when compared to a similar formulation containing C12-15 alkyl benzoate and a control formulation that did not contain an emollient ester. Reduction of the whitening effect was

demonstrated in formulations containing active levels ranging from 4 to 20% ISP have also shown that Ph Et benzoate can offer an improvement in suspension of the active when compared to C12-15 alkyl benzoate.

ST whitening antiperspirant phenyl ethyl benzoate emollient cosmetic
 IT Cosmetics
 (emollients; reduction of the whitening effect of anti-perspirants by using Ph Et benzoate as the emollient carrier for the antiperspirant active)
 IT Antiperspirants
 (reduction of the whitening effect of anti-perspirants by using Ph Et benzoate as the emollient carrier for the antiperspirant active)
 IT 94-47-3, Phenyl ethyl benzoate
 RL: COS (Cosmetic use); PRP (Properties); BIOL (Biological study); USES (Uses)
 (reduction of the whitening effect of anti-perspirants by using Ph Et benzoate as the emollient carrier for the antiperspirant active)
 IT 94-47-3, Phenyl ethyl benzoate
 RL: COS (Cosmetic use); PRP (Properties); BIOL (Biological study); USES (Uses)
 (reduction of the whitening effect of anti-perspirants by using Ph Et benzoate as the emollient carrier for the antiperspirant active)
 RN 94-47-3 HCAPLUS
 CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



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L36 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 2006:491792 HCAPLUS
 DN 145:14124
 ED Entered STN: 25 May 2006
 TI Topical delivery system comprising esters of hydroxy acids for cosmetic and pharmaceutical agents
 IN Gupta, Shyam K.
 PA Bioderm Research, USA
 SO U.S. Pat. Appl. Publ., 20 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 INCL 424401000; 424059000
 CC 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 63

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US2006110415	A1	20060525	2004US-0904665	20041122
PRAI 2004US-0904665				

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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US 2006110415	INCL	424401000; 424059000
	IPCI	A61K0008-37 [I,A]; A61K0008-30 [I,C*]
	NCL	424/401.000; 424/059.000
	ECLA	A61K008/37; A61Q019/00

AB This invention relates to topical compns. containing esters of hydroxy acids and their application in the deep-penetration delivery of beneficial cosmetic and pharmaceutical agents. An ester of a hydroxy acid is selected from alkyl and aryl esters of glycolic, malic, lactic, mandelic, ascorbic, phytic, salicylic, aleuritic, tartaric, etc. acids. Thus, a skin whitening serum was prepared containing Et Lactate 20.0, hydroxypropyl guar

0.5., quinacetophenone 5.0, PEG-6 70.0, arbutin 4.0, and preservatives 0.5 parts, resp. The product had a clear to slight hazy serum-like appearance. It was absorbed rapidly with a silky smooth skin feel. Also, an arthritis pain relief anti-inflammatory gel was prepared containing tri-Et citrate 55.65, Polyamide-3 5.0, preservative 0.5, Boswellia serrata extract 0.05, N-acetyl-glucosamine 2.0, methylsulfonylmethane 5.0, Aloe vera 0.1, vitamin E 0.5, paeonol 0.5, magnolol 0.2, chondroitin sulfate 0.5, and zeolite 30.0 parts, resp.

ST hydroxycarboxylic acid ester penetration enhancer topical cosmetic pharmaceutical

IT Polyvinyl acetals
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 ((diethylamino)acetals; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Alcohols, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (C16-18; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Fats and Glyceridic oils, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (Murumuru butter; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Quaternary ammonium compounds, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (Tritons; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Regeneration, animal
 (agents for induction of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Sebum
 (agents for modulation of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Acne
 Pruritus
 Psoriasis
 Seborrhea
 Sleep disorders
 (agents for treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Skin, disease
 (aging, agents for treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Surfactants
 (amphoteric; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Fats and Glyceridic oils, biological studies
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (animal, reduction of excess; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Surfactants
 (anionic; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Hair preparations
 (antidandruff; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Fats and Glyceridic oils, biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (apricot kernel; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Skin preparations (pharmaceutical)
 (astringents; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Pinus
 (bark extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Soaps
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (bars; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Spheres
 (beads; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Panax
 (berry exts.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Collagens, biological studies
 Elastins
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (boosting agents; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Surfactants
 (cationic; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Skin
 (cellulite, agents for control of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Tobacco smoke
 (cessation agents; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (cetyl Me, di-Me; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Fatty acids, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (coco, 2-sulfoethyl esters, sodium salts; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Drug delivery systems
 (colloids; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT DNA
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (complexes, with ascorbic acid; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
 Hair preparations
 (conditioners; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
 (creams; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Skin
 (darkening and lightening agents; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and

pharmaceutical uses)
 IT Cosmetics
 (depilatories; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Cyclosiloxanes
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (di-Me; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Ketones, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (diketones, unsatd., curcuminoids, tetrahydro, derivs.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Cosmetics
 Drug delivery systems
 (emollients; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Cosmetics
 Drug delivery systems
 (emulsions; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT *Aesculus hippocastanum*
Ammi visnaga
Arctostaphylos uva-ursi
Arnica montana
Aspergillus oryzae
Avena sativa
Boswellia serrata
Broussonetia kazinoki
Calendula officinalis
Camellia sinensis
Centella asiatica
Cordia schomburgkii
Corynanthe johimbe
Ecklonia cava
Emblica
Filipendula ulmaria
Gouania blanchetiana
Gymnema sylvestre
Hedera helix
Hibiscus furcellatus
Hypericum perforatum
Kaempferia galanga
Laminaria
Leukocyte
Maprounea guianensis
Melilotus officinalis
Mitracarpus scaber
Orthosiphon stamineus
Panax ginseng
Phaseolus vulgaris
Phyllanthus emblica
Plectranthus barbatus
Potentilla erecta
Randia armata
Rosmarinus officinalis
Rumex crispus
Ruscus aculeatus
Salvia officinalis
Siegesbeckia orientalis
Spondias mombin
Tephrosia
Terminalia sericea
Trigonella foenum-graecum

Waltheria indica
Zingiber officinale
 (extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Embryophyta
Plants
Rumex occidentalis
Tea products
 (exts.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Cosmetics
 (face packs; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Cosmetics
Drug delivery systems
 (gels; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (grape seed; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Tea products
 (green, extract of, Green tea extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Dyes
 (green/blue; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Hair preparations
 (growth inhibitors; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Hair preparations
 (growth stimulants; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Plantago psyllium
 (husk; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Carboxylic acids, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (hydroxy, esters; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Garcinia cambogia
 (hydroxycitric acid of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Drug delivery systems
 (implants, skin surface; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Sexual disorders
 (impotence, agents for treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Skin, disease
 (irritation, agents for prevention/treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Cosmetics
 (lip balms; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
IT Soaps
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(liquid; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics

Drug delivery systems

(liqs.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics

Drug delivery systems

(lotions; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Fats and Glyceridic oils, biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(mango kernel; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Circulation

(microcirculation, agents for improvement of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Melanins

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(modulating agent; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics

(moisturizers; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Mental and behavioral disorders

(mood-affecting, agents for treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics

Drug delivery systems

(nanoparticles; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Surfactants

(nonionic; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Bath preparations

(oils; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Drug delivery systems

(ointments, creams; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Resins

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(oleoresins, paprika; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Luffa

(particles; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Sulfonic acids, biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(polymers; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Phenols, biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(polyphenols, nonpolymeric; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Glycyrrhiza glabra

(root exts.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Resins
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (sandarac; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Amines, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (secondary, bis-, polymers with ethylenediamine and hydrogenated dilinoleates; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cola (plant)
 Vitis vinifera
 (seed extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
 (serums; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Protein hydrolyzates
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (silk; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Drug delivery systems
 (solns.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Protein hydrolyzates
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (soya; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
 Drug delivery systems
 (sprays; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
 (sticks; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Polymers, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (sulfo-containing; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Drug delivery systems
 (suspensions; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Hibiscus sabdariffa
 (tea extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses))

IT Aloe barbadensis
 Analgesics
 Andrographis paniculata
 Anesthetics
 Anti-inflammatory agents
 Antiangular agents
 Antibacterial agents
 Antibiotics
 Antidepressants
 Antidiabetic agents
 Antidiarrheals
 Antiemetics
 Antimigraine agents
 Antioxobesity agents
 Antosteoporotic agents

Antioxidants
 Antiparkinsonian agents
 Antiperspirants
 Antiulcer agents
 Antiviral agents
 Bronchodilators
Citrus sinensis
 Colloids
 Colognes
 Coloring materials
Curcuma longa
 Fungicides
Garcinia mangostana
Haematooccus
 Human
 Humectants
 Immunomodulators
Lycopersicon esculentum
Mangifera indica
Olea europaea
 Orange
 Perfumes
 Permeation enhancers
Polygonum cuspidatum
 Preservatives
Punica granatum
 Seed
 Shampoos

- Solubilizers
- Sunscreens

 Suspensions
Tagetes patula
 UV stabilizers
Vaccinium
Vaccinium myrtillus
 Wound healing promoters

- (topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Carotenes, biological studies
 Clays, biological studies
 Cocoa butter
 Glycols, biological studies
 Hormones, animal, biological studies
 Kaolin, biological studies
 Lipoproteins
 Mica-group minerals, biological studies
 Mineral elements, biological studies
 Petrolatum
 Polyoxyalkylenes, biological studies
 Polysiloxanes, biological studies
 Retinoids
 Rosin
 Shellac
 Silica gel, biological studies
 Silicates, biological studies
 Silicone rubber, biological studies
 Steroids, biological studies
 Ureas
 Vitamins
 Zeins
 Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

- (topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Drug delivery systems

(transdermal; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Fats and Glyceridic oils, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (ximenia; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Surfactants
 (zwitterionic; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT 89-84-9
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (Resacetophenone; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT 9002-88-4, Polyethylene
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (balls; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT 9001-66-5, MAO
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (inhibitors; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT 50-21-5, Lactic acid, biological studies 50-21-5D, Lactic acid, alkyl and aryl esters 50-81-7, L-Ascorbic acid, biological studies 50-81-7D, Ascorbic acid, alkyl and aryl esters 50-81-7D, L-Ascorbic acid, derivs. 51-67-2, Tyramine 53-41-8, Androsterone 53-43-0, Dehydroepiandrosterone 53-86-1, Indomethacin 56-65-5, Adenosine triphosphate, biological studies 56-81-5, Glycerin, biological studies 56-86-0D, L-Glutamic acid, N-acyl diamides, biological studies 57-00-1, Creatine 57-55-6, Propylene glycol, biological studies 57-83-0, Progesterone, biological studies 58-08-2, Caffeine, biological studies 58-22-0, Testosterone 58-55-9, Theophylline, biological studies 58-61-7, Adenosine, biological studies 58-63-9, Inosine 58-64-0, Adenosine diphosphate, biological studies 58-85-5, Biotin 59-30-3, Folic acid, biological studies 59-67-6, Niacin, biological studies 59-67-6D, Niacin, esters 63-05-8, Androstenedione 65-19-0, Yohimbine hydrochloride 65-85-0D, Benzoic acid, C2-15-alkyl esters 67-71-0, Methylsulfonylmethane 68-26-8, Retinol 69-72-7, Salicylic acid, biological studies 69-72-7D, Salicylic acid, alkyl and aryl esters 70-18-8, Glutathione, biological studies 73-31-4, Melatonin 76-30-2D, Dihydroxytartaric acid, alkyl and aryl esters 76-89-1 77-52-1, Ursolic acid 77-89-4, Acetyl triethyl citrate 77-90-7, Acetyl tributyl citrate 77-92-9, Citric acid, biological studies 77-92-9D, Citric acid, alkyl and aryl esters 77-93-0 77-94-1 79-10-7D, Acrylic acid, derivs., polymers 79-14-1, Glycolic acid, biological studies 79-14-1D, Glycolic acid, alkyl and aryl esters 79-41-4D, Methacrylic acid, aminoalkyl esters, polymers 80-55-7 80-69-3D, Tartronic Acid, alkyl and aryl esters 83-67-0, Theobromine 83-72-7, Lawsone 83-86-3, Phytic acid 83-86-3D, Phytic acid, alkyl and aryl esters 87-69-4D, Tartaric acid, alkyl and aryl esters 87-73-0D, Saccharic acid, alkyl and aryl esters 87-91-2, Diethyl tartrate 90-64-2, Mandelic acid 90-64-2D, Mandelic acid, alkyl and aryl esters 93-60-7, Methyl nicotinate 94-07-5, Synephrine 94-09-7, Benzocaine 94-13-3, Propyl paraben 94-44-0, Benzyl nicotinate 94-62-2, Piperine 96-35-5, Methyl glycolate 97-59-6, Allantoin 97-64-3, Ethyl lactate 98-92-0, Niacinamide 99-93-4 100-51-6, Benzyl alcohol, biological studies 101-20-2, Triclocarban 104-14-3, Octopamine 104-28-9, Cinoxate 104-29-0 107-15-3D, Ethylenediamine, polymers with hydrogenated dilinoleates and bis(dialkyl) amines 107-41-5, Hexylene glycol 107-68-6D, cocoyl derivs., sodium salts 111-29-5, Pentylene glycol 111-90-0 117-39-5, Quercetin 118-56-9, Homosalate 118-60-5, 2-Ethylhexyl salicylate 118-61-6, Ethyl salicylate 118-93-4 119-36-8, Methyl salicylate 121-71-1 122-99-6, Phenoxyethanol 123-31-9, Hydroquinone, biological studies 127-17-3, Pyruvic acid, biological studies 127-17-3D, Pyruvic

acid, salts 127-40-2, Lutein 131-57-7, Benzophenone-3 133-38-0D, Dihydroxyfumaric acid, alkyl and aryl esters 134-09-8, Menthyl anthranilate 136-44-7, Glyceryl p-aminobenzoate 137-58-6, Lidocaine 138-22-7, Butyl lactate 139-44-6, Trihydroxystearin 145-13-1, Pregnenolone 146-48-5, Yohimbine 147-81-9, Arabinose 150-13-0, PABA 153-18-4, Rutin 300-85-6D, β -Hydroxybutyric acid, alkyl and aryl esters 302-79-4, Tretinoïn 305-84-0, Carnosine 317-34-0, Aminophylline 320-77-4D, Isocitric acid, alkyl and aryl esters 327-97-9, Chlorogenic acid 370-98-9, N-Methyltyramine 404-86-4, Capsaicin 471-53-4, Glycyrrhetic acid 472-11-7D, Ruscogenin, derivs. 472-61-7, Astaxanthin 473-81-4D, Glyceric acid, alkyl and aryl esters 476-66-4, Ellagic acid 477-32-7, Visnadin 480-66-0 488-69-7, Fructose-1,6-diphosphate 490-78-8 491-67-8, Baicalein 491-70-3, Luteolin 497-76-7, Arbutin 498-36-2D, α -Hydroxyisocaproic acid, alkyl and aryl esters 501-36-0, Resveratrol 502-65-8, Lycopene 512-04-9, Diosgenin 515-30-0D, Atrolactic acid, alkyl and aryl esters 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 520-45-6, Dehydroacetic acid 526-84-1D, Dihydroxymaleic acid, alkyl and aryl esters 526-95-4D, D-Gluconic acid, alkyl and aryl esters 526-99-8D, Mucic acid, alkyl and aryl esters 528-21-2 528-43-8, Magnolol 528-58-5, Cyanidin 531-75-9, Esculin 539-15-1, Hordenine 541-15-1, L-Carnitine 547-64-8, Methyl lactate 548-04-9, Hypericin 552-41-0, Paeonol 557-34-6, Zinc acetate 585-24-0, Isobutyl lactate 594-61-6D, α -Hydroxyisobutyric acid, alkyl and aryl esters 600-15-7D, α -Hydroxyisobutyric acid, alkyl and aryl esters 602-41-5, Thiocolchicoside 608-68-4, Dimethyl tartrate 615-34-9 615-51-0 616-09-1, Propyl lactate 616-45-5, Pyrrolidone 617-51-6, Isopropyl lactate 623-50-7, Ethyl glycolate 623-61-0, Isopropyl glycolate 631-25-4 685-73-4D, Galacturonic acid, alkyl and aryl esters 699-83-2 774-40-3 816-50-2 828-01-3D, β -Phenyllactic acid, alkyl and aryl esters 872-50-4, N-Methylpyrrolidone, biological studies 1112-33-0D, Pantoic acid, alkyl and aryl esters 1197-09-7 1200-22-2, α -Lipoic acid 1314-13-2, Zinc oxide, biological studies 1323-66-6, Monostearyl citrate 1330-70-7D, Hydroxystearic acid, alkyl and aryl esters 1337-33-3, Stearyl citrate 1399-64-0, Gymnemic acid 1406-16-2, Vitamin D 1406-18-4, Vitamin E 1450-74-4, 5'-Chloro-2'-hydroxyacetophenone 1450-75-5, 5'-Bromo-2'-hydroxyacetophenone 1587-20-8 1587-21-9 1818-27-5, 2,4,5-Trihydroxyacetophenone 1847-58-1, Sodium lauryl sulfoacetate 1987-71-9, Nicotinamide ascorbate 2051-96-9, Benzyl lactate 2086-83-1, Berberine 2110-78-3 2163-42-0, Methylpropanediol 2174-16-5, Trolamine salicylate 2197-63-9, Dicetyl phosphate 2398-96-1, Tolnaftate 2420-35-1, Methyl 2-hydroxyoctadecanoate 2420-56-6, 10-trans,12-cis-Linoleic acid 2433-95-6 2457-50-3, 2-Acetylpyridine N-oxide 2540-56-9, 9-cis,11-trans-Linoleic acid 2887-72-1, 3',5'-Dibromo-4'-hydroxyacetophenone 3055-94-5, Laureth-3 3196-84-7 3233-32-7 3321-92-4, 3',5'-Dichloro-2'-hydroxyacetophenone 3380-34-5, Triclosan 3486-35-9, Zinc carbonate 3714-17-8 3909-12-4D, Threonic acid, alkyl and aryl esters 3956-93-2D, Idonic acid, alkyl and aryl esters 4026-18-0D, α -Hydroxyisovaleric acid, alkyl and aryl esters 4055-06-5 4065-45-6, Sulisobenzene 4118-51-8 4181-80-0 4358-87-6 4552-00-5 4773-96-0, Mangiferin 5413-58-1 5426-43-7, Pentyl glycolate 5426-51-7 5464-71-1, Octyl lactate 5466-77-3, 2-Ethylhexyl p-methoxycinnamate 5508-58-7, Andrographolide 5542-21-2, biological studies 6100-74-9 6144-28-1D, Dilinoleic acid, hydrogenated, derivs., polymers with ethylenediamine and bis(dialkyl)amines 6147-11-1, Mangostin 6197-30-4, Octocrylene 6283-86-9 6283-92-7, Dodecyl lactate 6290-46-6 6382-06-5 6556-12-3D, Glucuronic acid, alkyl and aryl esters 6602-83-1 6805-41-0, Escin 6829-55-6, Tocotrienol 6906-37-2D, Mannonic acid, alkyl and aryl esters 6915-15-7, Malic acid 6915-15-7D, Malic acid, alkyl and aryl esters 6938-26-7, Ethyl 2-hydroxypentanoate 7249-07-2 7397-62-8, Butyl glycolate

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT 7439-96-5, Manganese, biological studies 7440-50-8, Copper, biological studies 7440-66-6, Zinc, biological studies 7472-56-2 7512-17-6, N-Acetyl-glucosamine 7631-86-9, Silica, biological studies 7757-82-6, Sodium sulfate, biological studies 7775-50-0, Tristearyl citrate 7778-18-9, Calcium sulfate 8011-96-9, Calamine 8050-88-2, Celluloid 9002-72-6, Growth hormone 9003-05-8, Polyacrylamide 9003-39-8, Polyvinylpyrrolidone 9004-38-0, Cellulose acetophthalate 9004-57-3, Ethyl cellulose 9004-61-9, Hyaluronic acid 9004-61-9D, Hyaluronic acid, alkyl and aryl esters 9004-74-4, Methoxypolyethylene glycol 9004-99-3, PEG stearate 9005-64-5, Polysorbate-20 9006-65-9, Dimethicone 9006-65-9D, Dimethicone, crosslinked 9006-65-9D, Dimethicone, vinyl dimethicone crosspolymer 9007-28-7, Chondroitin sulfate 9012-76-4, Chitosan 9049-76-7, Hydroxypropyl starch 9050-31-1, Hydroxypropyl methyl cellulose phthalate 9088-07-7, Natriuretic peptide 10216-17-8, Hydroxytetronic acid 11099-07-3, Glyceryl stearate 11103-57-4, Vitamin A 12001-76-2, Vitamin B 12001-79-5, Vitamin K 13106-41-7 13382-27-9D, Galactonic acid, alkyl and aryl esters 13463-18-8, Glutathione ascorbate 13463-67-7, Titanium dioxide, biological studies 13494-10-5 13544-79-1 13674-16-3 13752-83-5D, Arabinonic acid, alkyl and aryl esters 13752-84-6D, Erythronic acid, alkyl and aryl esters 14007-02-4 14639-25-9, Chromium(III) picolinate 14919-24-5 15399-05-0 16503-00-7 16544-70-0, Trihexyl citrate 16742-49-7, Methyl 2-hydroxyeicosanoate 16742-51-1, Methyl 2-hydroxyhexadecanoate 16830-15-2, Asiaticoside 17463-61-5 17812-24-7D, Ribonic acid, alkyl and aryl esters 17828-56-7D, Xyloonic acid, alkyl and aryl esters 17941-34-3, Aleuritic acid 17941-34-3D, Aleuritic acid, alkyl and aryl esters 18294-96-7, Ethyl 2-hydroxyheptanoate 18294-99-0 18295-02-8 18295-04-0 18295-07-3 18925-86-5 19239-78-2 19329-89-6, Isopentyl lactate 20246-52-0D, Talonic acid, alkyl and aryl esters 20246-53-1D, Gulonic acid, alkyl and aryl esters 20279-51-0, Hexyl lactate 20283-92-5, Rosmarinic acid 20309-57-3 20731-95-7 23351-51-1D, Glucoheptonic acid, alkyl and aryl esters 24871-35-0D, Altronic acid, alkyl and aryl esters 25086-15-1, Methacrylic acid-methyl methacrylate copolymer 25190-06-1, Polybutylene glycol 25212-88-8, Ethyl acrylate-methacrylic acid copolymer 25265-75-2, Butylene glycol 25322-68-3, Polyethylene glycol 25322-69-4, Polypropylene glycol 25618-55-7, Polyglycerol 26163-61-1 26326-73-8 26762-67-4, Octanediol 26838-05-1, Disodium lauryl sulfosuccinate 27178-06-9 27517-34-6D, graft polymer derivs. 27750-10-3, Hydroxycitric acid 27750-10-3D, Hydroxycitric acid, alkyl and aryl esters and salts 28223-40-7D, Lyxonic acid, alkyl and aryl esters 28223-42-9D, Allonic acid, alkyl and aryl esters 28514-63-8 28572-98-7, Ethyl methacrylate-methacrylic acid copolymer 29130-41-4 29130-42-5 29589-99-9, Distearyl citrate 29674-47-3, Methyl 2-hydroxybutanoate 29710-25-6, 2-Ethylhexyl 12-hydroxystearate 32122-08-0 32619-42-4, Oleuropein 33709-29-4 34900-10-2 35161-44-5 35354-74-6, Honokiol 36062-04-1, Tetrahydrocurcumin 36653-82-4, Cetyl alcohol 37205-99-5, Carboxymethyl ethyl cellulose 38771-96-9 39421-75-5, Hydroxypropyl guar 42175-34-8, Decyl lactate 45208-03-5, Dodecyl glycolate 51067-85-7, Methyl 2-hydroxydodecanoate 51261-06-4 51261-08-6 51261-33-7 51261-34-8 51261-35-9 51863-60-6, 3,5-Dihydroxyacetophenone 52089-54-0, Ethyl 2-hydroxybutanoate 52089-55-1, Ethyl 2-hydroxyhexanoate 52182-15-7 52182-16-8 52613-19-1 53798-96-2 54340-91-9, Methyl 2-hydroxyheptanoate 55306-04-2, Sericoside 56009-40-6, Methyl 2-hydroxytetradecanoate 56210-21-0 56780-58-6, Starch hydroxypropyltrimonium chloride 56842-80-9 56996-83-9, Phaseolamine 57448-83-6 58450-52-5, Disodium laureth sulfosuccinate 59113-36-9, Diglycerol 59219-65-7, Darutoside 59443-15-1 59854-10-3, tert-Butyl lactate 60787-27-1 61574-64-9 62123-57-3 63167-15-7 63363-19-9 65277-53-4 65497-29-2, Guar hydroxypropyltrimonium chloride 66267-54-7 66267-58-1 66634-12-6, Niacinamide salicylate 68756-64-9, Methyl 2-hydroxyhexanoate 70289-34-8 70356-09-1, Avobenzone 71138-97-1, Hydroxypropyl methyl cellulose acetate succinate 71271-24-4, Methyl 2-hydroxydecanoate 73573-57-6 73634-76-1, Methyl 2-hydroxyoctanoate 73634-77-2 74592-76-0 76414-35-2 76994-59-7 85918-30-5,

2,3,6-Trihydroxyacetophenone 86432-23-7, Sodium stearyl phthalamate
 90357-58-7, Propyl glycolate 90675-74-4 91776-00-0, PEG 120 methyl
 glucose dioleate 93168-18-4, Ethyl 2-hydroxyoctanoate 93993-87-4
 94006-12-9 94231-35-3 94983-14-9 100386-17-2 100495-94-1
 100528-82-3 100963-05-1 101396-13-8 101396-15-0 101453-14-9
 101996-62-7 101996-63-8 101996-64-9 101996-65-0 102162-44-7,
 biological studies 102370-27-4 103049-26-9, biological studies
 104037-54-9 105911-24-8 105911-25-9 106522-72-9 106522-73-0
 108740-82-5 110343-04-9, Glycerol lactate 110713-02-5 110945-08-9
 114214-84-5 114214-85-6 116435-95-1 116557-40-5 117576-13-3
 118068-28-3 120154-90-7 120154-91-8, Octyl 2-hydroxyoctanoate
 120154-92-9, Ethyl 2-hydroxyoctadecanoate 122579-43-5 124111-47-3
 125913-31-7, Ascorbyl phosphate 125971-06-4 126679-54-7 126925-06-2
 129086-73-3, Ethyl 2-hydroxytetradecanoate 134970-46-0 135322-32-6,
 Chitosan ascorbate 135970-30-8 136208-65-6 136208-68-9 136315-05-4
 136599-01-4D, alkyl and aryl esters 136745-48-7 143894-93-3, Decyl
 2-hydroxyoctanoate 152167-64-1 152167-65-2 161776-71-2 162328-63-4
 162328-64-5 162328-65-6 162328-67-8 163418-44-8 172098-18-9
 172464-76-5 173855-08-8 174882-69-0, Pycnogenol 175897-68-4
 176035-22-6 199282-59-2 199282-60-5 199282-61-6 199282-62-7
 199282-63-8 199282-65-0 199282-66-1

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)

IT 199282-67-2 199282-70-7 199282-71-8 199282-73-0 199282-74-1
 199282-75-2 199282-77-4 199282-78-5 199282-79-6 199282-80-9
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RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)

IT 887619-20-7 887619-21-8 887619-22-9 887619-23-0 887619-24-1
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 887748-36-9 887748-37-0 887748-38-1 887748-39-2 887748-40-5

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)

IT 32619-42-4, Oleuropein
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

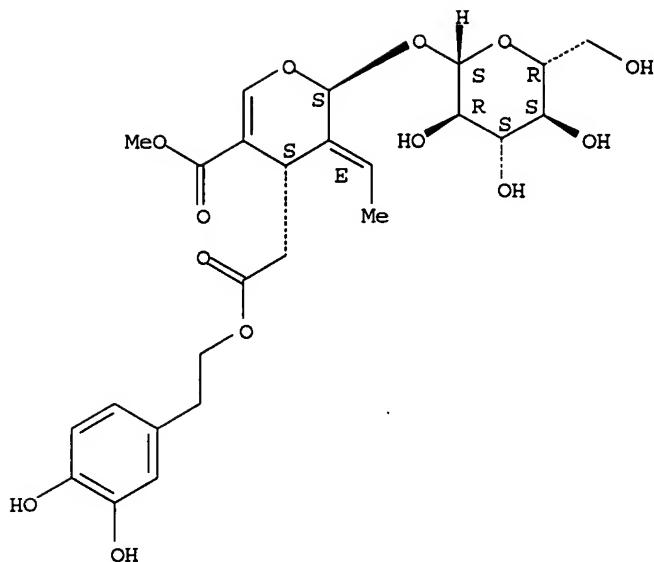
(topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)

RN 32619-42-4 HCAPLUS

CN 2H-Pyran-4-acetic acid, 3-ethylidene-2-(β -D-glucopyranosyloxy)-3,4-dihydro-5-(methoxycarbonyl)-, 2-(3,4-dihydroxyphenyl)ethyl ester,
 (2S,3E,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

Double bond geometry as shown.



L36 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:7261 HCAPLUS

DN 144:113882

ED Entered STN: 05 Jan 2006

TI Solubilization of triazine UV-screening agents with arylalkyl benzoate compounds/amide-based oils and photoprotective compositions comprising them

IN Candau, Didier; Fiandino, Cecile

PA L'Oreal, Fr.

SO U.S. Pat. Appl. Publ., 18 pp.

CODEN: USXXCO

DT Patent

LA English

INCL 424059000

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US2006002872	A1	20060105	2005US-0172885	20050705
	FR---2872418	A1	20060106	2004FR-0051421	20040702
	EP---1618927	A1	20060125	2005EP-0291123	20050525
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
	CA---2510328	AA	20060102	2005CA-2510328	20050621
	JP2006016397	A2	20060119	2005JP-0194386	20050701
PRAI	2004FR-0051421	A	20040702		
	2004US-589007P	P	20040720		

CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US	2006002872	INCL	424059000
		IPCI	A61K0008-49 [I,A]; A61K0008-30 [I,C*]
		NCL	424/059.000
FR	---2872418	IPCI	A61K0008-49 [I,A]; A61K0008-30 [I,C*]; A61Q0017-00 [I,A]; A61Q0001-00 [I,A]; A61Q0005-00 [I,A]; A61Q0019-00 [I,A]
		ECLA	A61Q017/04; A61K008/37; A61K008/42; A61K008/49F4; A61K008/92; A61Q001/00; A61Q005/00; A61Q019/00
EP	---1618927	IPCI	A61Q0017-04 [I,A]; A61K0008-49 [I,A]; A61K0008-37

[I,A]; A61K0008-42 [I,A]; A61K0008-30 [I,C*];
 A61K0008-92 [I,A]; A61Q0019-04 [I,A]; A61Q0019-00
 [I,A]; A61Q0005-00 [I,A]; A61Q0001-00 [I,A]
 ECLA A61Q017/04; A61K008/37; A61K008/42; A61K008/49F4;
 A61K008/92; A61Q001/00; A61Q005/00; A61Q019/00
 CA---2510328 IPCI A61K0008-37 [I,A]; A61K0008-42 [I,A]; A61K0008-44
 [I,A]; A61K0008-49 [I,A]; A61K0008-30 [I,C*];
 A61Q0001-00 [I,A]; A61Q0017-04 [I,A]
 ECLA A61Q017/04; A61K008/37; A61K008/42; A61K008/49F4;
 A61K008/92; A61Q001/00; A61Q005/00; A61Q019/00
 JP2006016397 IPCI A61K0008-00 [I,A]; A61Q0017-04 [I,A]; A61K0008-30
 [I,A]; A61K0008-49 [I,A]; A61K0008-60 [I,A]
 FTERM 4C083/AC012; 4C083/AC072; 4C083/AC122; 4C083/AC212;
 4C083/AC242; 4C083/AC341; 4C083/AC342; 4C083/AC402;
 4C083/AC422; 4C083/AC542; 4C083/AC661; 4C083/AC662;
 4C083/AC851; 4C083/AC852; 4C083/AC902; 4C083/AD092;
 4C083/AD152; 4C083/AD202; 4C083/AD352; 4C083/BB13;
 4C083/BB46; 4C083/CC02; 4C083/CC11; 4C083/CC19;
 4C083/CC31; 4C083/DD08; 4C083/DD22; 4C083/DD31;
 4C083/DD41; 4C083/EE01; 4C083/EE10; 4C083/EE17
 OS MARPAT 144:113882
 AB Topically applicable photoprotective compns. having improved sun protection factor, cosmetic properties and/or stability contain (a) at least one 1,3,5-triazine UV-screening agent, (b) at least one mixture including (i) at least one arylalkyl benzoate compound, and (ii) at least one oil containing in its structure at least one amide unit. For example, a sunscreen composition comprised (weight%) (i) Phase A containing polydimethylsiloxane 0.5, preservatives 1.0, stearic acid 1.5, glyceryl monostearate/PEG stearate mixture 1.0, cetylstearyl glucoside/cetylstearyl alc. mixture 2.0, cetyl alc. 0.5, butylmethoxydibenzoylmethane 2.0, 2-phenylethyl benzoate (X-Tend 226) 10, N-lauroyl iso-Pr sarcosinate (Eldew SL-205) 10, and ethylhexyl triazone (Uvinul T 150) 5, (ii) Phase B containing sequestering agent 0.1, glycerol 5.0, xanthan gum 0.2, monocetyl phosphate 1.0, and water to 100, and (iii) Phase C containing isohexadecane 1.0, acrylic acid/stearyl methacrylate copolymer 0.2, and triethanolamine as needed.
 ST triazine sunscreen solubilization arylalkyl benzoate amide oil
 IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (di-Me, 3-[4-[3-ethoxy-2-(ethoxycarbonyl)-3-oxo-1-propenyl]phenoxy]-1-propenyl Me; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)
 IT Cosmetics
 Solubilization
 Solubilizers
 Sunscreens
 Suntanning agents
 (solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)
 IT 230309-38-3, Isopropyl N-lauroylsarcosinate
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (Eldew SL 205; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)
 IT 187393-00-6
 RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
 (Tinosorb S; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)
 IT 88122-99-0, Ethylhexyl triazone
 RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)

(Uvinul T 150; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 94-47-3, 2-Phenylethyl benzoate
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (X-Tend 226; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 118-56-9, Homosalate 118-60-5, 2-Ethylhexyl salicylate 131-57-7, Benzophenone-3 1314-13-2, Zinc oxide, biological studies 1314-23-4, Zirconium oxide, biological studies 1317-70-0, Anatase 1317-80-2, Rutile 1332-37-2, Iron oxide, biological studies 4065-45-6, Benzophenone-4 5466-77-3, Ethylhexyl p-methoxycinnamate 6197-30-4, Octocrylene 6628-37-1, Benzophenone-5 11129-18-3, Cerium oxide 13463-67-7, Titanium oxide, biological studies 27503-81-7, Phenylbenzimidazolesulfonic acid 36861-47-9, 4-Methylbenzylidene camphor 37755-25-2 92761-26-7 103597-45-1 108528-58-1, Butylmethoxydibenzylmethane 155633-54-8, Drometrizole trisiloxane 180898-37-7, Disodium phenyldibenzimidazolesulfonate 302776-68-7, n-Hexyl-2-(4-diethylamino-2-hydroxybenzoyl)benzoate
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

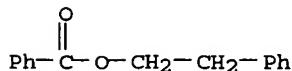
IT 65-85-0D, Benzoic acid, arylalkyl derivs. 26545-51-7, N,N-Diethyltoluamide 52304-36-6
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 88122-99-0 145833-82-5 145833-83-6 145941-62-4 145941-63-5
 145941-64-6 145941-65-7 145941-66-8 145941-67-9 150771-68-9
 150771-71-4 154702-15-5 194731-15-2 194731-16-3 194731-17-4
 194731-18-5 288254-16-0, 2,4-Bis[5-1-(dimethylpropyl)benzoxazol-2-yl-(4-phenyl)imino]-6-(2-ethylhexyl)imino-1,3,5-triazine
 RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
 (solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 290-87-9D, 1,3,5-Triazine, derivs.
 RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
 (solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 94-47-3, 2-Phenylethyl benzoate
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (X-Tend 226; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

RN 94-47-3 HCAPLUS
 CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



L36 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:238420 HCAPLUS

DN 142:322334

ED Entered STN: 18 Mar 2005

TI Baby care skin protectant compositions containing zeolites for diaper rash
 IN Gupta, Shyam K.
 PA Bioderm Research, USA
 SO U.S. Pat. Appl. Publ., 12 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 IC ICM A61K-0007/00
 ICS A61K-0033/06
 INCL 424401000; 424684000
 CC 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 63

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US2005058672	A1	20050317	2003US-0605191	20030914 <--
PRAI 2003US-0605191		20030914		<--

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2005058672	ICM	A61K-0007/00
	ICS	A61K-0033/06
	INCL	424401000; 424684000
	IPCI	A61K0007-00 [ICM,7]; A61K0033-06 [ICS,7]
	IPCR	A61K0033-30 [I,A]; A61K0033-30 [I,C*]; A61K0045-00 [I,C*]; A61K0045-06 [I,A]; A61Q0017-00 [I,A]; A61Q0017-00 [I,C*]; A61Q0019-00 [I,A]; A61Q0019-00 [I,C*]
	NCL	424/401.000; 424/684.000
	ECLA	A61K033/30+M; A61K035/78+M; A61K045/06; A61Q017/00; A61Q019/00

AB The present invention provides a comprehensive solution to skin problems of infants and incontinent adults related to diaper rash, also known as diaper dermatitis. This is based on certain novel divalent metal and quaternary ammonium complexes (ion-pairs) of zeolites (that are made by an in-situ process), which in synergistic combination with certain other compns., provide a comprehensive treatment for diaper rash. The treatment encompasses the following aspects: (1) deactivation of lipase and protease enzymes on skin surface, (2) the controlled-release delivery of skin protectant compns., such as divalent metal zinc cation, (3) trapping of acidic and alkaline chems. deposited on skin from body exudates and enzyme activity, (4) controlled-release delivery of anti-inflammatory agents, and cyclooxygenase (COX) and lipoxygenase (LOX) enzyme inhibitors, (5) controlled-release delivery of antibacterial and antifungal compns., and (6) absorption of excess moisture in the diaper zone. For example, to a clear solution obtained by mixing 1.36 parts of zinc chloride and 78.64 parts of glycerin, 20.0 parts of zeolite type 4A was added. The mixture contained zinc zeolite (100% zeolite exchanged), made by the in-situ ion-pair exchange.

ST zeolite metal ion pair exchange soln diaper rash; quaternary ammonium complex zeolite soln diaper rash

IT Zeolite 3A

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(Atofina NK 30np; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(Benzalkonium; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(Ca; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (Cinnamidopropyltrimonium; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (Cu; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (Mg; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (Mn; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (Silicone quaternium; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (Zn; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Quaternary ammonium compounds, biological studies
 RL: COS (Cosmetic use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (alkylbenzyldimethyl, chlorides, reaction products with zeolite; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Quaternary ammonium compounds, reactions
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (alkylbenzyldimethyl, chlorides; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Fats and Glyceridic oils, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (almond; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Fats and Glyceridic oils, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (avocado; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
 (baby wash; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
 (balms; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Soaps
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (bars; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Spheres
 (beads; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(behentrimonium; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Collagens, biological studies
Elastins
RL: BSU (Biological study, unclassified); BIOL (Biological study);
(boosters; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Oryza sativa
(bran, husk; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Fibers
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(cellulosic, paper; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(cleansing, foaming; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Fatty acids, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(coco, 2-sulfoethyl esters, sodium salts; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Drug delivery systems
(colloids; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
Hair preparations
(conditioners; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Drug delivery systems
(controlled-release; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(creams; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Dermatitis
(diaper; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(dicetyltrimonium; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Proteins
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(egg; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(emollients; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Drug delivery systems
(emulsions; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Aesculus
Ammi visnaga
Boswellia serrata
Emblica
Melilotus officinalis
Phyllanthus emblica
Tea products
(extract; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Embryophyta
Plants

(exts.; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(face packs; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Fibers
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(fenugreek; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Glycine max
Oryza sativa
(flour and meal; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Avena sativa
(flour; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(gels; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Spirulina
(granulated; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(grape seed; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Tea products
(green, extract of, green tea extract; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Plantago psyllium
(husk; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Soybean oil
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(hydrogenated; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Prosthetic materials and Prosthetics
(implants, skin surface; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Aloe barbadensis
(in oil; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Vitis vinifera
(leaf and seed exts.; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(lip balms; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Soaps
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(liquid; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(lotions; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(mango kernel; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Circulation
(microcirculation, agents for improvement of; skin care compns. containing

zeolites for prevention/treatment of diaper rash)

IT Drug delivery systems
(microemulsions; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Proteins
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(milk; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(moisturizers; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Drug delivery systems
(nanoparticles, emulsions and suspensions; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Flours and Meals
(oat; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Proteins
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(oat; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Absorption
(of excess moisture; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Bath preparations
(oils; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Drug delivery systems
(ointments, creams; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Drug delivery systems
(ointments; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Resins
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(oleoresins, capsicum; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Luffa
(particles; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
Drug delivery systems
(pastes; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Phenols, biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(polyphenols, nonpolymeric; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Egg, poultry
Milk
(powdered; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(powders; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)
(quaternary ammonium cation; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Skin, disease
(rash, diaper; skin care compns. containing zeolites for

prevention/treatment of diaper rash)
 IT Quaternary ammonium compounds, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (reaction products with zeolite; skin care compns. containing zeolites for
 prevention/treatment of diaper rash)
 IT Bran
 (rice, husk; skin care compns. containing zeolites for prevention/treatment
 of diaper rash)
 IT Flours and Meals
 (rice; skin care compns. containing zeolites for prevention/treatment of
 diaper rash)
 IT Zingiber officinale
 (root extract; skin care compns. containing zeolites for prevention/treatment
 of diaper rash)
 IT Cosmetics
 (serums; skin care compns. containing zeolites for prevention/treatment of
 diaper rash)
 IT Fats and Glyceridic oils, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (sesame; skin care compns. containing zeolites for prevention/treatment of
 diaper rash)
 IT Fats and Glyceridic oils, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (shea butter; skin care compns. containing zeolites for
 prevention/treatment of diaper rash)
 IT Absorbents
 Analgesics
 Anesthetics
 Anti-inflammatory agents
 Antibacterial agents
 Antimicrobial agents
 Beeswax
 Coloring materials
 Cotton fibers
 Disposable diapers
 Fungicides
 Gossypium hirsutum
 Gums and Mucilages
 Humectants
 Ion exchangers
 Ion pairs
 Perfumes
 Permeation enhancers
 Preservatives
 Seed
 Shampoos
 Silk
 Solubilizers
 Sunscreens
 Surfactants
 Wheat flour
 (skin care compns. containing zeolites for prevention/treatment of diaper
 rash)
 IT Aluminosilicates, biological studies
 Carbohydrates, biological studies
 Caseins, biological studies
 Castor oil
 Clays, biological studies
 Cocoa butter
 Cod liver oil
 Gelatins, biological studies
 Hormones, animal, biological studies
 Hydrocarbon oils

Kaolin, biological studies
 Lanolin
 Mica-group minerals, biological studies
 Mineral elements, biological studies
 Petrolatum
 Polyoxyalkylenes, biological studies
 Silica gel, biological studies
 Smectite-group minerals
 Titanosilicate zeolites
 Vitamins
 Zeolite 3A
 Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Zeolite 4A
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Drug delivery systems
 (solns.; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Fibers
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (soya; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Flours and Meals
 (soybean; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Proteins
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (soybean; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Bath preparations
 (splashes; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Cosmetics
 (sprays; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (stearalkonium; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Cosmetics
 (sticks; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Drug delivery systems
 (suspensions; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Drug delivery systems
 (topical; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Acids, biological studies
 Bases, biological studies
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (trapping of, on skin surface; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Polymers, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (water absorbents; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (wax; skin care compns. containing zeolites for prevention/treatment of
 diaper rash)

IT Proteins
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (wheat; skin care compns. containing zeolites for prevention/treatment of
 diaper rash)

IT 9003-01-4D, crosslinked
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (Carbomer; skin care compns. containing zeolites for prevention/treatment
 of diaper rash)

IT 9002-88-4, Polyethylene
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (balls; skin care compns. containing zeolites for prevention/treatment of
 diaper rash)

IT 7631-86-9, Fumed silica, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (colloidal; skin care compns. containing zeolites for prevention/treatment
 of diaper rash)

IT 9001-62-1, Lipase
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (deactivation of, on skin surface; skin care compns. containing zeolites
 for prevention/treatment of diaper rash)

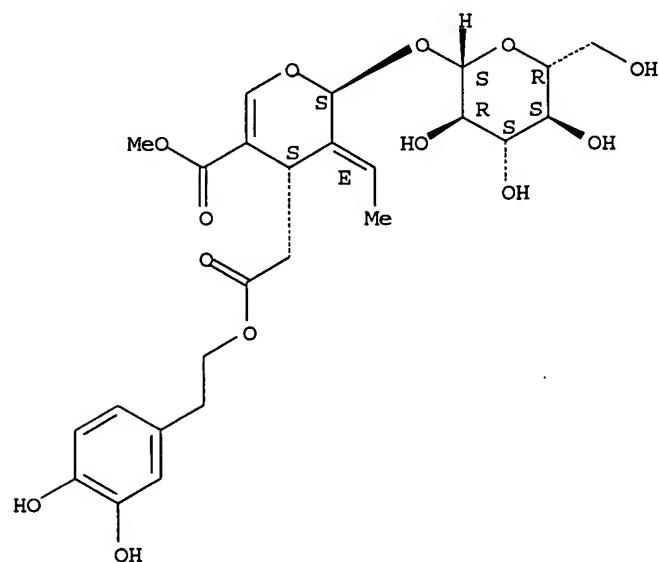
IT 9029-60-1, Lipoxygenase 39391-18-9, Cyclooxygenase
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (inhibitors; skin care compns. containing zeolites for prevention/treatment
 of diaper rash)

IT 9001-92-7, Proteinase
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (protease, deactivation of, on skin surface; skin care compns. containing
 zeolites for prevention/treatment of diaper rash)

IT 50-81-7, Ascorbic acid, biological studies 50-81-7D, Ascorbic acid,
 salts 56-81-5, Glycerin, biological studies 57-11-4, Stearic acid,
 biological studies 57-55-6, Propylene glycol, biological studies
 58-95-7, Vitamin E acetate 59-67-6, Niacin, biological studies
 59-67-6D, Niacin, esters 70-18-8, Glutathione, biological studies
 77-52-1, Ursolic acid 79-81-2, Vitamin A palmitate 93-60-7, Methyl
 nicotinate 94-13-3, Propylparaben 94-44-0, Benzyl nicotinate
 94-62-2, Piperine 97-59-6, Allantoin 98-92-0, Niacinamide 99-76-3,
 Methylparaben 102-71-6, Triethanolamine, biological studies 112-03-8D,
 Quaternium-10, zeolite 117-39-5, Quercetin 122-99-6, Phenoxyethanol
 127-40-2, Lutein 146-48-5, Yohimbine 153-18-4, Rutin 305-84-0,
 Carnosine 327-97-9, Chlorogenic acid 404-86-4, Capsaicin 471-53-4,
 Glycyrrhetic acid 472-11-7, Ruscogenin 472-61-7, Astaxanthin
 476-66-4, Ellagic acid 477-32-7, Visnadin 491-70-3, Luteolin
 501-36-0, Resveratrol 502-65-8, Lycopene 512-04-9, Diosgenin
 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 528-58-5,
 Cyanidin 531-75-9, Esculoside 548-04-9, Hypericin 602-41-5,
 Thiocolchicoside 1200-22-2, α -Lipoic acid 1314-13-2, Zinc oxide,
 biological studies 1344-28-1, Alumina, biological studies 1406-18-4,
 Vitamin E 1847-58-1, Sodium lauryl sulfoacetate 4773-96-0, Mangiferin
 5508-58-7, Andrographolide 6147-11-1, Mangostin 6805-41-0, Escin
 6829-55-6, Tocotrienol 6899-10-1D, Cetrimonium, zeolite 7487-88-9,
 Magnesium sulfate, biological studies 7778-18-9, Calcium sulfate
 8011-96-9, Calamine 9000-01-5, Gum arabic 9000-07-1, Carrageenan
 9000-40-2, Locust bean gum 9000-69-5, Pectin 9002-18-0, Agar
 9004-34-6, Cellulose, biological studies 9005-25-8, Starch, biological
 studies 9005-32-7D, Alginic acid, salts 9005-38-3, Algin 9005-80-5,
 Inulin 9005-80-5D, Inulin, esters 9006-65-9, Dimethicone 9012-76-4,
 Chitosan 10043-52-4, Calcium chloride, biological studies 11099-07-3,

GMS-SE 11138-66-2, Xanthan gum 11138-66-2D, Xanthan, dehydro derivs.
 12001-79-5, Vitamin K 13463-67-7, Titanium dioxide, biological studies
 14492-68-3D, Quaternium-7, zeolite 14807-96-6, Talc, biological studies
 16830-15-2, Asiaticoside 20283-92-5, Rosmarinic acid 25322-68-3,
 Polyethylene glycol 26006-22-4D, Polyquaternium-5, zeolite
 26062-79-3D, Polyquaternium-6, zeolite 26590-05-6D, Polyquaternium-7,
 zeolite 32619-42-4, Oleuropein 36062-04-1, Tetrahydrocurcumin
 36653-82-4, Cetyl alcohol 53633-54-8D, Polyquaternium-11, zeolite
 55306-04-2, Sericoside 59219-65-7, Darutoside 63451-27-4D,
 Polyquaternium-2, zeolite 66634-12-6, Niacinamide salicylate
 71010-52-1, Gellan gum 75345-27-6D, Polyquaternium-1, zeolite
 81859-24-7D, Polyquaternium-10, zeolite 92183-41-0D, Polyquaternium-4,
 zeolite 95144-24-4D, Polyquaternium-16, zeolite 95832-09-0, Liquapar
 131611-06-8, Tinogard TT 150599-70-5D, Polyquaternium-44, zeolite
 173833-36-8D, Quaternium 82, zeolite 174761-16-1D, Polyquaternium-46,
 zeolite 174882-69-0, Pycnogenol 205537-77-5 322645-84-1, Polawax
 697291-65-9, Phytosan 714950-07-9, Aloe Butter 719282-79-8D,
 Polyquaternium 59, zeolite 801297-48-3D, Quaternium 79, zeolite
 848084-68-4, Stimutex
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (skin care compns. containing zeolites for prevention/treatment of diaper
 rash)
 IT 557-34-6, Zinc acetate 7646-85-7, Zinc chloride, reactions
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (skin care compns. containing zeolites for prevention/treatment of diaper
 rash)
 IT 32619-42-4, Oleuropein
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (skin care compns. containing zeolites for prevention/treatment of diaper
 rash)
 RN 32619-42-4 HCAPLUS
 CN 2H-Pyran-4-acetic acid, 3-ethylidene-2-(β -D-glucopyranosyloxy)-3,4-
 dihydro-5-(methoxycarbonyl)-, 2-(3,4-dihydroxyphenyl)ethyl ester,
 (2S,3E,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
 Double bond geometry as shown.



L36 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:934139 HCAPLUS
 DN 141:400499
 ED Entered STN: 06 Nov 2004
 TI Cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations
 IN Gupta, Shyam K.
 PA USA
 SO U.S. Pat. Appl. Publ., 9 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 IC ICM A61K-0007/06
 INCL 424070130
 CC 62-4 (Essential Oils and Cosmetics)
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US2004219124	A1	20041104	2003US-0249701	20030501 <--
PRAI 2003US-0249701		20030501	<--	

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004219124	ICM A61K-0007/06 INCL 424070130 IPCI A61K0007-06 [ICM, 7] NCL 424/070.130 ECLA A61K008/02F; A61K008/73H; A61K008/97; A61K008/97C; A61Q019/00; A61Q019/02; A61Q019/06; A61Q019/08	

AB The present invention discloses a novel ion-pair delivery system based mask compns. for face, hair, skin, and body applications. These compns. come off from the site of their application essentially in one piece with the appearance, for example, of a piece of sea-weed or a continuous film. These mask compns. are suitable for a variety of delivery system methods, such as peel-off mask, moisturizing mask, exfoliating mask, prosthetic mask, soaking mask, depilatory mask, rub-off mask, two-phase mask, two-compartment mask, heat-releasing mask, and such. These mask compns. are made from the biopolymer based films that are cross-linked with divalent or trivalent metal cations. During the crosslinking process, such divalent and trivalent metal cations may also act as release agents for other face, hair, skin, and body beneficial compns. in their enhanced bioavailable forms by an ion-pair activation mechanism.

ST cosmetic pharmaceutical ion pair delivery system mask; mask biopolymer film crosslinked metal cation skin care

IT Seawater
 (Dead sea, salt from; cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)

IT Zingiber officinale
 (Root; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Skin, disease
 (age-spot, reduction of; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Skin, disease
 (aging, wrinkles; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Surfactants
 (amphoteric; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Surfactants
 (anionic; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT *Pinus*
 (bark; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT *Spheres*
 (beads; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT *Tea products*
 (beverages, green; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT *Coloring*
 (body; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT *Surfactants*
 (cationic; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT *Skin*
 (cellulite; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT *Cosmetics*
 (cleansing; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT *Solutions*
 (clear; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT *Lipoproteins*
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (complexes; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT *Hair preparations*
 (conditioners; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT *Anesthetics*
Coloring materials
Crithmum
Foeniculum vulgare
Pelvetia
 (cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)

IT *Carotenes, biological studies*
Cocoa butter
Kaolin, biological studies
Petrolatum
Phenolic resins, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)

IT *Acne*
Aesculus hippocastanum
Alaria (seaweed)
Alteromonas
Ammi visnaga
Anacystis
Analgesics
Andrographis paniculata
Anti-inflammatory agents
Antimicrobial agents
Antioxidants
Arctostaphylos uva-ursi
Arnica montana
Aspergillus oryzae
Berry
Boswellia
Boswellia serrata
Broussonetia papyrifera

Calendula officinalis
Centella asiatica
Ceramium
Chlorella
Chondrus
Citrus sinensis
Codium
Colloids
Corallina
Cordia schomburgkii
Corynanthe johimbe
Crosslinking
Curcuma longa
Eisenia (seaweed)
Embllica
Enteromorpha
Filipendula ulmaria
Fucus
Fungicides
Garcinia
Garcinia cambogia
Garcinia mangostana
Gelidium
Glycyrrhiza glabra
Gochnatia blanchetiana
Gymnema sylvestre
Haematococcus
Hair
Hedera helix
Hibiscus furcellatus
Humectants
Hypericum perforatum
Hypnea
Kaempferia galanga
Laminaria
Leukocyte
Lycopersicon esculentum
Macrocytis
Mangifera indica
Maprounea guianensis
Marisa
Melilotus officinalis
Mitracarpus scaber
Monostroma
Olea europaea
Orange
Orthosiphon
Palmaria
Panax
Panax ginseng
Perfumes
Phaeodactylum
Phaseolus vulgaris
Phyllanthus emblica
Plankton
Plectranthus barbatus
Polygonum cuspidatum
Porphyra
Potentilla erecta
Preservatives
Punica granatum
Randia armata
Rhodophyta
Rosmarinus officinalis
Rumex crispus
Rumex occidentalis

Ruscus aculeatus
 Salvia officinalis
 Sargassum
 Seaweed
 Seed
 Siegesbeckia orientalis
Solubilizers
 Spirulina
 Spondias mombin
 Suspensions
 Tagetes patula
 Tephrosia
 Terminalia sericea
 Thermus
 Trigonella foenum-graecum
 Ulva lactuca
 Undaria
 Vaccinium myrtillus
Vasoconstrictors
Vasodilators
 Waltheria indica
 (cosmetic and pharmaceutical ion-pair delivery system based masks
 comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Biopolymers
 Clays, biological studies
 Collagens, biological studies
 Gelatins, biological studies
 Hormones, animal, biological studies
 Mica-group minerals, biological studies
 Minerals, biological studies
 Peptides, biological studies
 Polymers, biological studies
 Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (cosmetic and pharmaceutical ion-pair delivery system based masks
 comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Infection
 (cutaneous; cosmetic and pharmaceutical ion-pair delivery system based
 masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Cosmetics
 (emollients; cosmetic and pharmaceutical ion-pair delivery system based
 masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Fats and Glyceridic oils, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (excess topical fat reduction; cosmetic and pharmaceutical ion-pair
 delivery system based masks comprising plant exts. and cosmetic and
 therapeutic uses thereof)

IT Skin
 (exfoliating; cosmetic and pharmaceutical ion-pair delivery system
 based masks comprising plant exts. and cosmetic and therapeutic uses
 thereof)

IT Algae
 (extract; cosmetic and pharmaceutical ion-pair delivery system based masks
 comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Embryophyta
 Plants
 (exts.; cosmetic and pharmaceutical ion-pair delivery system based
 masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Head and Neck
 (face; cosmetic and pharmaceutical ion-pair delivery system based masks
 comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Plantago psyllium
 (husk; cosmetic and pharmaceutical ion-pair delivery system based masks
 comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Carboxylic acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(hydroxy, poly; cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)

IT Carboxylic acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hydroxy; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Skin, disease
 (infection; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Skin, disease
 (lesion; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Coating materials
 (masking; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Circulation
 (microcirculation, disorder, improvement of; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Emulsions
 (microemulsions; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Cosmetics
 (moisturizers; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Surfactants
 (nonionic; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Resins
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (oleoresins, capsicum; cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)

IT Luffa
 (particle; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Skin, disease
 (pimples; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Sulfonic acids, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (poly; cosmetic and pharmaceutical ion-pair delivery system based masks comprising biopolymer based films cross-linked with metal cations)

IT Metals, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (polyvalent; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT UV A radiation
 UV B radiation
 (protection; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Vitamins
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (provitamin; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Glycyrrhiza
 (root; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Skin, disease
 (rosacea; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Cola (plant)
 Vitis vinifera

(seed; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Nut (seed)
(shell, broken seed; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Cosmetics
(skin-lightening, brightening agents; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Permeation enhancers
(skin; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Skin, disease
(spider vein; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Skin, disease
(stretch mark, reduction of; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Nanoparticles
(suspensions, emulsions; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Elastins
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(synthesis booster; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Hibiscus sabdariffa
(tea; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Cations
(trivalent, divalent; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Emulsions
(water and oil; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Camellia sinensis
(white; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT Surfactants
(zwitterionic; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT 9002-88-4, Polyethylene
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ball; cosmetic and pharmaceutical ion-pair delivery system based masks comprising plant exts. and cosmetic and therapeutic uses thereof)

IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies 50-81-7D, Ascorbic acid, DNA conjugates 51-67-2, Tyramine 53-41-8, Androsterone 53-43-0, Dehydroepiandrosterone 56-81-5, Glycerin, biological studies 57-13-6, Urea, biological studies 57-83-0, Progesterone, biological studies 58-22-0, Testosterone 58-85-5, Biotin 59-30-3, Folic Acid, biological studies 59-67-6D, Niacin, Esters 63-05-8, Androstenedione 69-72-7, Salicylic acid, biological studies 70-18-8, Glutathione, biological studies 73-31-4, Melatonin 77-52-1, Ursolic acid 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 83-72-7, Lawsone 90-64-2, Mandelic acid 93-60-7, Methyl Nicotinate 94-44-0, Benzyl Nicotinate 94-62-2, Piperine 97-59-6, Allantoin 100-51-6, Benzyl Alcohol, biological studies 104-14-3, Octopamine 104-28-9, Cinoxate 117-39-5, Quercetin 118-56-9, Homosalate 118-60-5 122-99-6,

Phenoxyethanol 123-31-9, Hydroquinone, biological studies 127-40-2,
 Lutein 131-57-7, Benzophenone-3 134-09-8, Menthyl anthranilate
 136-44-7 145-13-1, Pregnenolone 146-48-5, Yohimbine 150-13-0, PABA
 153-18-4, Rutin 299-28-5, Calcium gluconate 327-97-9, Chlorogenic acid
 370-98-9, N-Methyltyramine 404-86-4, Capsaicin 471-34-1, Calcium
 carbonate, biological studies 471-53-4, Glycyrrhetic acid 472-11-7,
 Ruscogenin 472-61-7, Astaxanthin 476-66-4, Ellagic acid 491-70-3,
 Luteolin 497-76-7, Arbutin 502-65-8, Lycopene 512-04-9, Diosgenin
 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 520-45-6,
 Dehydroacetic Acid 528-58-5, Cyanidin 531-75-9, Esculin 539-15-1,
 Hordenine 546-93-0, Magnesium carbonate 557-34-6, Zinc acetate
 824-35-1, Calcium salicylate 1200-22-2, Lipoic acid 1303-96-4, Borax
 1314-13-2, Zinc oxide, biological studies 1406-16-2, Vitamin D
 1406-18-4, Vitamin E 1406-18-4D, Vitamin E, derivs. 1987-71-9
 2174-16-5, Trolamine salicylate 3486-35-9, Zinc carbonate 4065-45-6,
 Benzophenone-4 4468-02-4, Zinc gluconate 4773-96-0, Mangiferin
 5001-51-4, Calcium lactobionate 5466-77-3 5508-58-7, Andrographolide
 5743-27-1, Calcium ascorbate 6147-11-1, Mangostin 6197-30-4,
 Octocrylene 6805-41-0, Escin 6829-55-6, Tocotrienol 6915-15-7, Malic
 acid 7446-70-0, Aluminum chloride, biological studies 7487-88-9, Epsom
 salt, biological studies 7646-85-7, Zinc chloride, biological studies
 7693-13-2, Calcium citrate 778-18-9, Calcium sulfate 7779-25-1,
 Magnesium citrate 7786-30-3, Magnesium chloride, biological studies
 8063-16-9, Psyllium 9003-01-4, Polyacrylic acid 9003-01-4D,
 Polyacrylic acid, TEA derivs., 9003-03-6, Ammonium polyacrylate
 9003-04-7, Sodium polyacrylate 9004-61-9, Hyaluronic acid 9005-32-7,
 Alginic acid 9005-32-7D, Alginic acid, TEA derivs., 9005-34-9,
 Ammonium alginate 9005-36-1, Potassium alginate 9005-38-3, Algin
 9006-65-9, Dimethicone 10043-35-3, Boric acid, biological studies
 10043-52-4, Calcium chloride, biological studies 10124-37-5, Calcium
 nitrate 10216-17-8, Hydroxytetrone acid 11103-57-4, Vitamin A
 11138-66-2, Xanthan gum 12001-76-2, Vitamin B 12001-79-5, Vitamin K
 13463-18-8, Glutathione ascorbate 13463-67-7, Titanium dioxide,
 biological studies 14476-25-6, Calamine 15431-40-0, Magnesium
 ascorbate 16589-24-5, Synephrine 16830-15-2, Asiaticoside 17463-61-5
 17941-34-3, Aleuritic acid 18917-89-0, Magnesium salicylate
 20283-92-5, Rosmarinic acid 21645-51-2, Aluminum hydroxide, biological
 studies 25608-12-2, Potassium polyacrylate 27556-18-9 27750-10-3,
 Hydroxycitric acid 32619-42-4, Oleuropein 36062-04-1,
 Tetrahydrocurcumin 55306-04-2, Sericoside 57448-83-6 59219-65-7,
 Darutoside 70356-09-1, Avobenzene 71010-52-1, Gellan gum 94231-35-3
 121250-47-3, Conjugated linoleic acid 135322-32-6, Chitosan ascorbate
 174882-69-0, Pycnogenol 211504-83-5 439666-13-4 676608-06-3
 676608-07-4 676608-08-5 683226-75-7 697291-65-9, Phytosan
 728945-82-2, Azafatig 736997-34-5

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

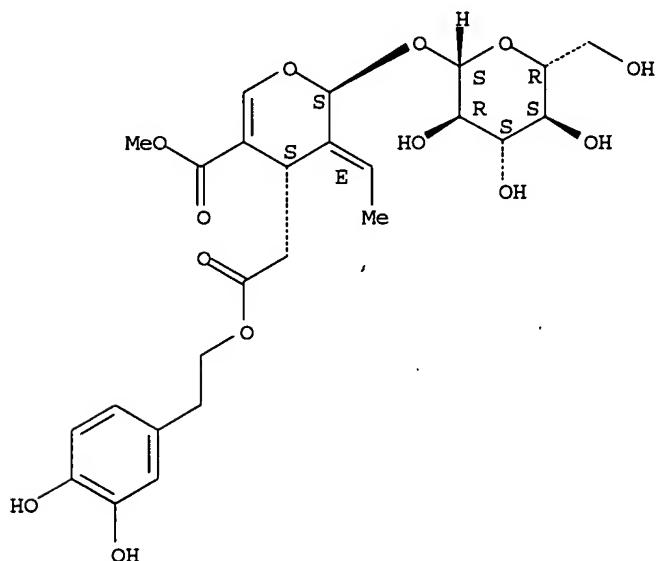
(cosmetic and pharmaceutical ion-pair delivery system based masks
 comprising biopolymer based films cross-linked with metal cations)

IT 50-81-7D, Ascorbic acid, derivs. 53-86-1, Indomethacin 56-65-5,
 Adenosine triphosphate, biological studies 57-00-1, Creatine 57-60-3,
 Pyruvate, biological studies 58-08-2, Caffeine, biological studies
 58-55-9, Theophylline, biological studies 58-61-7, Adenosine, biological
 studies 58-63-9, Inosine 58-64-0, Adenosine diphosphate, biological
 studies 60-33-3D, Linoleic acid, 9-cis, 11-trans Conjugated, biological
 studies 83-67-0, Theobromine 101-20-2, Triclocarban 127-17-3,
 Pyruvic acid, biological studies 147-81-9, Arabinose 305-84-0,
 Carnosine 317-34-0, Aminophylline 488-69-7, Fructose-1,6-diphosphate
 491-67-8, Baicalein 501-36-0, Resveratrol 541-15-1, Carnitine
 548-04-9, Hypericin 1399-64-0, Gymnemic acid 2086-83-1, Berberine
 3380-34-5, Triclosan 7631-86-9, Silica, biological studies 9000-01-5,
 Arabic gum 9000-07-1, Carrageenan 9000-40-2, Locust bean gum
 9000-69-5, Pectin 9002-18-0, Agar 9002-72-6, Somatotropin 9012-76-4,
 Chitosan 9072-19-9, Fucoidan 9088-07-7, Natriuretic peptide
 12597-72-7, Triton (particle) 14639-25-9 56996-83-9, Phaseolamin
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cosmetic and pharmaceutical ion-pair delivery system based masks

comprising plant exts. and cosmetic and therapeutic uses thereof)
 IT 32619-42-4, Oleuropein
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (cosmetic and pharmaceutical ion-pair delivery system based masks
 comprising biopolymer based films cross-linked with metal cations)
 RN 32619-42-4 HCPLUS
 CN 2H-Pyran-4-acetic acid, 3-ethylidene-2- (β-D-glucopyranosyloxy)-3,4-
 dihydro-5-(methoxycarbonyl)-, 2-(3,4-dihydroxyphenyl)ethyl ester,
 (2S,3E,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
 Double bond geometry as shown.



L36 ANSWER 5 OF 6 HCPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:877940 HCPLUS
 DN 141:370229
 ED Entered STN: 22 Oct 2004
 TI Controlled-release nano-diffusion delivery systems for cosmetic and
 pharmaceutical compositions
 IN Gupta, Shyam K.
 PA USA
 SO U.S. Pat. Appl. Publ., 9 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 IC ICM A61K-0031/401
 ICS A61K-0007/00
 INCL 424401000; 514423000
 CC 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 63
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US2004208902	A1	20041021	2003US-0418495	20030418 <--
US2006127430	A1	20060615	2006US-0307824	20060224 <--
PRAI 2003US-0418495	A2	20030418 <--		

 CLASS
 PATENT NO. CLASS PATENT FAMILY CLASSIFICATION CODES
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US 2004208902	ICM	A61K-0031/401
	ICS	A61K-0007/00
	INCL	424401000; 514423000
	IPCI	A61K0031-401 [ICM,7]; A61K0007-00 [ICS,7]
	IPCR	A61K0008-02 [I,A]; A61K0008-02 [I,C*]; A61K0008-19 [I,C*]; A61K0008-26 [I,A]; A61K0008-30 [I,C*]; A61K0008-365 [I,A]; A61K0008-368 [I,A]; A61K0008-67 [I,A]; A61K0008-92 [I,A]; A61K0008-92 [I,C*]; A61K0008-96 [I,C*]; A61K0008-97 [I,A]; A61K0033-00 [I,A]; A61K0033-00 [I,C*]; A61Q0005-02 [I,A]; A61Q0005-02 [I,C*]; A61Q0005-12 [I,A]; A61Q0005-12 [I,C*]; A61Q0017-00 [I,A]; A61Q0017-00 [I,C*]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0019-00 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-02 [I,A]; A61Q0019-02 [I,C*]; A61Q0019-06 [I,A]; A61Q0019-06 [I,C*]; A61Q0019-10 [I,A]; A61Q0019-10 [I,C*]
	NCL	424/401.000; 514/423.000
	ECLA	A61K008/02F; A61K008/26; A61K008/365; A61K008/368; A61K008/67F3; A61K008/92C; A61K008/97; A61Q005/02; A61Q005/12; A61Q017/00; A61Q017/04; A61Q019/00; A61Q019/02; A61Q019/06; A61Q019/10
US2006127430	IPCI	A61K0008-26 [I,A]; A61K0008-19 [I,C*]
	NCL	424/401.000; 424/062.000
	ECLA	A61K008/02F; A61K008/26; A61K008/365; A61K008/368; A61K008/67F3; A61K008/92C; A61K008/97; A61K033/00+M; A61K035/78+M; A61Q005/02; A61Q005/12; A61Q017/00; A61Q017/04; A61Q019/00; A61Q019/02; A61Q019/06; A61Q019/10

AB The present invention discloses the utilization of zeolites for controlled-release of cosmetic and pharmaceutical compns. by nano-diffusion technol. The treatment and protection of skin surface requires that certain compns. be delivered to the skin surface and allowed to remain on the skin surface for as long as possible before such ingredients are absorbed into deeper layers of skin and carried into the bloodstream. Zeolites do not absorb into the skin, which is useful for topical delivery of cosmetic and pharmaceutical compns., for example antiaging, anti-wrinkle, antioxidants, skin whitening, acne treatment, rosacea treatment, sun screens, UV blocks, anesthetics, skin soothers, anti-irritants, anti-inflammatory agents, vitamins, hormones, and such that are electronically attached to the outer surfaces of such zeolites and are released to the outer surface of skin by a diffusion-controlled thermodn. process. An anhydrous face mask controlled-release antiaging composition with heat-releasing effect. comprises magnesium sulfate (anhydrous) 30.0, glycerin 49.0, sodium potassium aluminosilicate (Zeolite A3) 20.0, an antiaging composition (an equal weight mixture of tetrahydrocurcumin, niacinamide lactate, copper ATP complex, glutathione, and carnosine) 1.0%.

ST controlled release diffusion delivery system cosmetic pharmaceutical

IT Skin, disease
(aging; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Surfactants
(amphoteric; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Surfactants
(anionic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT DNA
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(ascorbate salts; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Pinus
(bark extract; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Soaps
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(bars; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT Drug delivery systems
 (beads; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT Surfactants
 (cationic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT Skin
 (cellulite; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT Cosmetics
 (cleansing; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT Lipoproteins
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (complexes; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT Hair preparations
 (conditioners; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT Acne
 Analgesics
 Anesthetics
 Anti-inflammatory agents
 Antimicrobial agents
 Antioxidants
 Colloids
 Colognes
 Cordia schomburgkii
 Dyes
 Fungicides
 Gouania blanchetiana
 Hibiscus furcellatus
 Humectants
 Olea europaea
 Perfumes
 Permeation enhancers
 Preservatives
 Randia armata
 Shampoos
 Solubilizers
 Sunscreens
 UV A radiation
 UV B radiation
 (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT Aluminosilicates, biological studies
 Carotenes, biological studies
 Clays, biological studies
 Cocoa butter
 Collagens, biological studies
 Hormones, animal, biological studies
 Kaolin, biological studies
 Mica-group minerals, biological studies
 Minerals, biological studies
 Petrolatum
 Quaternary ammonium compounds, biological studies
 Vitamins
 Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT Polysiloxanes, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Drug delivery systems
 (controlled-release; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
 (creams; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
 Drug delivery systems
 (emollients; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
 Drug delivery systems
 (emulsions; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT *Andrographis paniculata*
Arnica montana
Calendula officinalis
Centella asiatica
Citrus sinensis
Curcuma longa
Filipendula ulmaria
Garcinia
Garcinia cambogia
Garcinia mangostana
Haematoxoccus
Hedera
Hedera helix
Hypericum perforatum
Leukocyte
Lycopersicon esculentum
Mangifera indica
Orange
Orthosiphon stamineus
Panax ginseng
Phaseolus vulgaris
Plectranthus barbatus
Polygonum cuspidatum
Punica granatum
Rosmarinus officinalis
Ruscus aculeatus
Salvia officinalis
Tagetes patula
Trigonella foenum-graecum
Vaccinium myrtillus
 (extract, controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT *Ammi visnaga*
Arctostaphylos uva-ursi
Aspergillus oryzae
Boswellia serrata
Broussonetia kazinoki
Camellia sinensis
Corynanthe johimbe
Ecklonia cava
Embllica
Glycyrrhiza glabra
Kaempferia galanga
Maprounea guianensis
Melilotus officinalis
Mitracarpus scaber
Phyllanthus emblica
Potentilla erecta
Rumex crispus

Rumex occidentalis
Siegesbeckia orientalis
Spondias mombin
Terminalia sericea
Vitis vinifera
Zingiber officinale
 (extract; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Waltheria indica*
 (exts.; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Cosmetics*
 (face packs; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Cosmetics*
Drug delivery systems
 (gels; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Plantago psyllium*
 (husk; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Carboxylic acids, biological studies*
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (hydroxy; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Cosmetics*
 (lipsticks; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Soaps*
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (liquid; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Cosmetics*
Drug delivery systems
 (lotions; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Circulation*
 (microcirculation, blood; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Drug delivery systems*
 (microemulsions; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Cosmetics*
 (moisturizers; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Drug delivery systems*
 (nanoparticles; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Surfactants*
 (nonionic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Bath preparations*
 (oils; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Drug delivery systems*
 (ointments, creams; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Sulfonic acids, biological studies*
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (poly; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 IT *Carboxylic acids, biological studies*
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)

(polycarboxylic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Phenols, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (polyphenols, nonpolymeric; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Adipose tissue
 (reduction; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Skin, disease
 (rosacea; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cola (plant)
 (seed extract; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
 (skin-lightening; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Drug delivery systems
 (sprays; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
 (sticks; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Drug delivery systems
 (suspensions; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Elastins
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (synthesis stimulants; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Vein, disease
 (varicose; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
 (wrinkle-preventing; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Surfactants
 (zwitterionic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT 9002-88-4, Polyethylene
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (balls; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

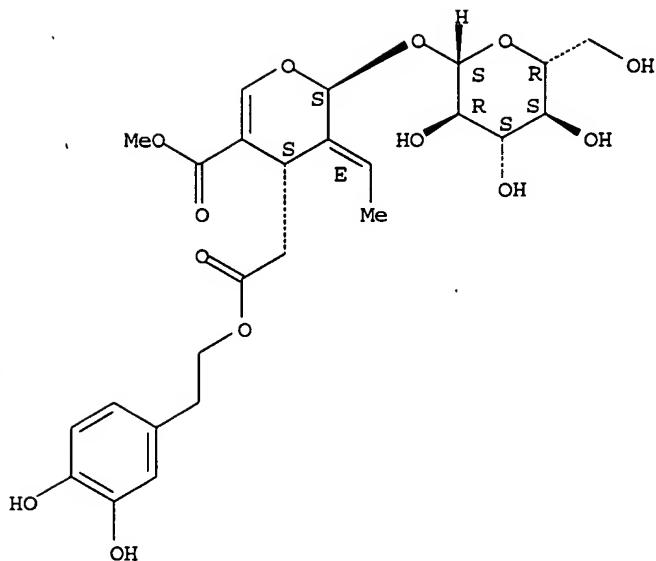
IT 9004-70-0, Collodion
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies 50-81-7D, Ascorbic acid, derivs. 51-67-2, Tyramine 53-41-8, Androsterone 53-43-0, DHEA 53-86-1, Indomethacin 56-65-5, Adenosine triphosphate, biological studies 56-81-5, Glycerin, biological studies 57-00-1, Creatine 57-13-6, Urea, biological studies 57-83-0, Progesterone, biological studies 58-08-2, Caffeine, biological studies 58-22-0, Testosterone 58-55-9, Theophylline, biological studies 58-61-7, Adenosine, biological studies 58-63-9, Inosine 58-64-0, Adenosine diphosphate, biological studies 58-85-5, Biotin 59-30-3, Folic Acid, biological studies 63-05-8, Androstenedione 69-72-7, Salicylic acid, biological studies 70-18-8, Glutathione, biological studies 73-31-4, Melatonin 77-52-1, Ursolic acid 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 83-67-0, Theobromine 83-72-7, Lawsone 90-64-2, Mandelic acid 94-62-2, Piperine 97-59-6, Allantoin 98-92-0, Niacinamide 98-98-6D,

Picolinic acid, chromium complexes 100-51-6, Benzyl Alcohol, biological studies 101-20-2, Triclocarban 104-14-3, Octopamine 104-28-9, Cinoxate 117-39-5, Quercetin 118-56-9, Homosalate 118-60-5, 2-Ethylhexyl salicylate 122-99-6, Phenoxyethanol 123-31-9, Hydroquinone, biological studies 123-31-9D, Hydroquinone, derivs. 127-17-3, Pyruvic acid, biological studies 127-17-3D, salts 127-40-2, Lutein 131-57-7, Benzophenone-3 134-09-8, Menthyl anthranilate 145-13-1, Pregnolone 147-81-9, Arabinose 150-13-0, PABA 153-18-4, Rutin 302-79-4, Retinoic acid 305-84-0, Carnosine 317-34-0, Aminophylline) 327-97-9, Chlorogenic acid 370-98-9, N-Methyltyramine 471-53-4, Glycyrrhetic acid 476-66-4, Ellagic acid 477-32-7, Visnadine 488-69-7, Fructose-1,6-diphosphate 491-67-8, Baicalein 491-70-3, Luteolin 497-76-7, Arbutin 501-36-0, Resveratrol 502-65-8, Lycopene 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 520-45-6, Dehydroacetic Acid 528-58-5, Cyanidin 539-15-1, Hordenine 541-15-1, L-Carnitine 557-34-6, Zinc acetate 602-41-5, Thiocolchicoside 1200-22-2, α -Lipoic acid 1314-13-2, Zinc oxide, biological studies 1399-64-0, Gymnemic acid 1406-16-2, Vitamin D 1406-18-4, Vitamin E 1987-71-9, Nicotinamide ascorbate 2086-83-1, Berberine 2174-16-5, Trolamine salicylate 2420-56-6 2540-56-9, 9-cis-11-trans-Linoleic acid 3380-34-5, Tricosan 3486-35-9, Zinc carbonate 4065-45-6, Benzophenone-4 4773-96-0, Mangiferin 5466-77-3, 2-Ethylhexyl p-methoxycinnamate 5508-58-7, Andrographolide (6147-11-1, Mangostin 6197-30-4, Octocrylene 6829-55-6, Tocotrienol 6915-15-7, Malic acid 7439-96-5, Manganese, biological studies 7440-47-3D, Chromium, picolinate complexes 7440-50-8, Copper, biological studies 7440-66-6, Zinc, biological studies 7631-86-9, Silica, biological studies 8011-96-9, Calamine 9002-72-6, Somatotropin 9004-61-9, Hyaluronic acid 9006-65-9, Dimethicone 9012-76-4, Chitosan 9088-07-7, Natriuretic peptide 10216-17-8, Hydroxytetronic acid 11103-57-4, Vitamin A 12001-76-2, Vitamin B 12001-79-5, Vitamin K 13106-41-7 13463-18-8, Glutathione ascorbate 16589-24-5, Synephrine 16830-15-2, Asiaticoside 17463-61-5 17941-34-3, Aleuritic acid 20283-92-5, Rosmarinic acid 27750-10-3, Hydroxycitric acid 32619-42-4, Oleuropein 36062-04-1, Tetrahydrocurcumin 55306-04-2, Sericoside 56996-83-9, Phaseolamin 57448-83-6 59219-65-7, Darutoside 70356-09-1, Avobenzone 94231-35-3 120718-57-2 121250-47-3, Conjugated linoleic acid 125913-31-7, Ascorbyl phosphate 135322-32-6, Chitosan ascorbate 174882-69-0, Pycnogenol 211504-83-5 439666-13-4 676608-06-3 676608-07-4, Chondroitin ascorbate 676608-08-5, Carnosine ascorbate 683226-75-7 697291-65-9, Phytosan 728945-82-2, Azaftig
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT 32619-42-4, Oleuropein
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)
 RN 32619-42-4 HCPLUS
 CN 2H-Pyran-4-acetic acid, 3-ethylidene-2-(β -D-glucopyranosyloxy)-3,4-dihydro-5-(methoxycarbonyl)-, 2-(3,4-dihydroxyphenyl)ethyl ester, (2S,3E,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
 Double bond geometry as shown.



L36 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:681187 HCAPLUS

DN 141:194959

ED Entered STN: 20 Aug 2004

TI Skin firming anti-aging cosmetic compositions

IN Gupta, Shyam K.

PA USA

SO U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DT Patent

LA English

IC ICM A61K-0007/42

ICS A61K-0007/06; A61K-0007/00; A61K-0035/78

INCL 424401000; 424074000; 424725000; 424059000

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US2004161435	A1	20040819	2003US-0248753	20030214 <--
PRAI 2003US-0248753			20030214 <--	

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004161435	ICM	A61K-0007/42
	ICS	A61K-0007/06; A61K-0007/00; A61K-0035/78
	INCL	424401000; 424074000; 424725000; 424059000
	IPCI	A61K0007-42 [ICM,7]; A61K0007-06 [ICS,7]; A61K0007-00 [ICS,7]; A61K0035-78 [ICS,7]
	IPCR	A61K0008-02 [I,A]; A61K0008-02 [I,C*]; A61K0008-96 [I,C*]; A61K0008-97 [I,A]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-08 [I,C*]
	NCL	424/401.000; 424/059.000; 424/074.000; 424/725.000
	ECLA	A61K008/02F; A61K008/97; A61Q017/04; A61Q019/08

AB Cosmetic mask compns. suitable for face, neck, chin or body applications are disclosed. These compns. synergistically combine at least 1 skin beneficial cosmetic or pharmaceutical composition with at least one composition to promote excess fat reduction, cellulite control, or muscle toning benefits. The mask composition also contains at least one binder composition that binds with

other beneficial ingredients by electrostatic, atomic, or ionic charges to synergistically enhance their topical site-specific benefits. These mask compns. are suitable for a variety of delivery system methods that include, e.g., peel-off mask, leave-in mask, moisturizing mask, and exfoliating mask. Thua, a facial mask composition contained chitosan 5.0, lactic acid 5.0, glycerin 18.0, water 65.8, hydroxycitric acid 5.0, niacinamide 0.5, glutathione, and preservatives 0.5%.

ST skin firming antiaging cosmetic
 IT Skin, disease
 (aging; skin firming anti-aging cosmetic compns.)
 IT Surfactants
 (amphoteric; skin firming anti-aging cosmetic compns.)
 IT Surfactants
 (anionic; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (antiaging; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (balms; skin firming anti-aging cosmetic compns.)
 IT Pinus
 (bark exts.; skin firming anti-aging cosmetic compns.)
 IT Soaps
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (bars; skin firming anti-aging cosmetic compns.)
 IT Oryza sativa
 (bran, husk; skin firming anti-aging cosmetic compns.)
 IT Surfactants
 (cationic; skin firming anti-aging cosmetic compns.)
 IT Skin
 (cellulite; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (cleansing; skin firming anti-aging cosmetic compns.)
 IT Lipoproteins
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (complexes; skin firming anti-aging cosmetic compns.)
 IT Hair preparations
 (conditioners; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (creams; skin firming anti-aging cosmetic compns.)
 IT Infection
 (cutaneous; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (depilatories; skin firming anti-aging cosmetic compns.)
 IT Cyclosiloxanes
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (di-Me; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 Drug delivery systems
 (emollients; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 Drug delivery systems
 (emulsions; skin firming anti-aging cosmetic compns.)
 IT Aesculus
 Ammi visnaga
 Andrographis paniculata
 Arnica montana
 Boswellia serrata
 Calendula officinalis
 Capsicum
 Centella asiatica
 Chamomile
 Citrus sinensis
 Cola (plant)
 Curcuma longa

Emblica
 Embryophyta
 Filipendula ulmaria
 Garcinia cambogia
 Garcinia mangostana
 Gymnema sylvestre
 Haematococcus
 Hedera helix
 Hibiscus sabdariffa
 Hypericum perforatum
 Laminaria
 Lycopersicon esculentum
 Mangifera indica
 Melilotus officinalis
 Olea europaea
 Orange
 Orthosiphon stamineus
 Panax
 Panax ginseng
 Phaseolus vulgaris
 Phyllanthus emblica
 Plants
 Plectranthus barbatus
 Polygonum cuspidatum
 Potentilla erecta
 Punica granatum
 Rosmarinus officinalis
 Ruscus aculeatus
 Salvia officinalis
 Siegesbeckia orientalis
 Tagetes patula
 Tephrosia
 Terminalia sericea
 Vaccinium myrtillus
 Vitis vinifera
 Zingiber officinale
 (exts.; skin firming anti-aging cosmetic compns.)
 IT Medical goods
 (face masks; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (face packs; skin firming anti-aging cosmetic compns.)
 IT Trigonella foenum-graecum
 (fibers; skin firming anti-aging cosmetic compns.)
 IT Glycine max
 (flour and meal; skin firming anti-aging cosmetic compns.)
 IT Avena sativa
 (flour; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (gels; skin firming anti-aging cosmetic compns.)
 IT Tea products
 (green, exts.; skin firming anti-aging cosmetic compns.)
 IT Carboxylic acids, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (hydroxy; skin firming anti-aging cosmetic compns.)
 IT Skin, disease
 (infection; skin firming anti-aging cosmetic compns.)
 IT Soaps
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (liquid; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (lotions; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 Drug delivery systems
 (microemulsions; skin firming anti-aging cosmetic compns.)

IT Proteins
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (milk; skin firming anti-aging cosmetic compns.)

IT Cosmetics
 (moisturizers; skin firming anti-aging cosmetic compns.)

IT Drug delivery systems
 (nanoparticles; skin firming anti-aging cosmetic compns.)

IT Surfactants
 (nonionic; skin firming anti-aging cosmetic compns.)

IT Flours and Meals
 (oat; skin firming anti-aging cosmetic compns.)

IT Bath preparations
 (oils; skin firming anti-aging cosmetic compns.)

IT Phenols, biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (polyphenols, nonpolymeric; skin firming anti-aging cosmetic compns.)

IT Egg
 (powders; skin firming anti-aging cosmetic compns.)

IT Triticum aestivum
 (proteins of; skin firming anti-aging cosmetic compns.)

IT Bran
 (rice, husk; skin firming anti-aging cosmetic compns.)

IT Skin, disease
 (rosacea; skin firming anti-aging cosmetic compns.)

IT Acne

Analgesics
 Anesthetics
 Anti-inflammatory agents
 Antimicrobial agents
 Antioxidants
 Avena sativa
 Circulation
 Colloids
 Colognes
 Cotton fibers
 Dyes
 Fungicides
 Gums and Mucilages
 Humectants
 Inflammation
 Kaempferia galanga
 Milk
 Pain
 Perfumes
 Permeation enhancers
 Photoprotectants
 Preservatives
 Prosthetic materials and Prosthetics
 Shampoos
 Silk
 Skin
 Solubilizers
 Sunscreens
 Surfactants
 Vasoconstrictors
 Vasodilators
 Wheat flour
 (skin firming anti-aging cosmetic compns.)

IT Bentonite, biological studies
 Carbohydrates, biological studies
 Carotenes, biological studies
 Caseins, biological studies
 Clays, biological studies
 Cocoa butter

Collagens, biological studies
 Elastins
 Hormones, animal, biological studies
 Kaolin, biological studies
 Mica-group minerals, biological studies
 Minerals, biological studies
 Petrolatum
 Polysiloxanes, biological studies
 Quaternary ammonium compounds, biological studies
 Tocopherols
 Vitamins
 Zeolites (synthetic), biological studies
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (skin-lightening; skin firming anti-aging cosmetic compns.)
 IT Flours and Meals
 (soybean; skin firming anti-aging cosmetic compns.)
 IT Proteins
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (soybean; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (sticks; skin firming anti-aging cosmetic compns.)
 IT Drug delivery systems
 (suspensions; skin firming anti-aging cosmetic compns.)
 IT Drug delivery systems
 (topical; skin firming anti-aging cosmetic compns.)
 IT Vein, disease
 (varicose; skin firming anti-aging cosmetic compns.)
 IT Vaccinium
 (vulgaris exts.; skin firming anti-aging cosmetic compns.)
 IT Surfactants
 (zwitterionic; skin firming anti-aging cosmetic compns.)
 IT 131-57-7, Benzophenone-3 4065-45-6, Benzophenone-4
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (exts.; skin firming anti-aging cosmetic compns.)
 IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid,
 biological studies 50-81-7D, Ascorbic acid, derivs. 51-67-2, Tyramine
 53-41-8, Androsterone 53-43-0, DHEA 53-86-1, Indomethacin 56-65-5,
 Adenosine triphosphate, biological studies 56-81-5, Glycerin, biological
 studies 57-00-1, Creatine 57-13-6, Urea, biological studies 57-83-0,
 Progesterone, biological studies 58-08-2, Caffeine, biological studies
 58-22-0, Testosterone 58-55-9, Theophylline, biological studies
 58-61-7, Adenosine, biological studies 58-63-9, Inosine 58-64-0,
 Adenosine diphosphate, biological studies 58-85-5, Biotin 58-95-7,
 Vitamin E acetate 59-30-3, Folic acid, biological studies 59-67-6,
 Niacin, biological studies 59-67-6D, Niacin, esters 63-05-8,
 Androstenedione 68-26-8, Vitamin A 69-72-7, Salicylic acid, biological
 studies 70-18-8, Glutathione, biological studies 73-31-4, Melatonin
 77-52-1, Ursolic acid 77-92-9, Citric acid, biological studies
 79-14-1, Glycolic acid, biological studies 79-81-2, Vitamin A palmitate
 83-67-0, Theobromine 83-72-7, Lawsone 90-64-2, Mandelic acid
 93-60-7, Methyl nicotinate 94-44-0, Benzyl nicotinate 94-62-2,
 Piperine 97-59-6, Allantoin 98-98-6D, Picolinic acid, complex with
 chromium 100-51-6, Benzyl alcohol, biological studies 101-20-2,
 Triclocarban 104-14-3, Octopamine 104-28-9, Cinoxate 117-39-5,
 Quercetin 118-56-9, Homosalate 118-60-5, 2-Ethylhexyl salicylate
 122-99-6, Phenoxyethanol 127-17-3, Pyruvic acid, biological studies
 127-17-3D, Pyruvic acid, salts 127-40-2, Lutein 134-09-8, Menthyl
 anthranilate 145-13-1, Pregnenolone 146-48-5, Yohimbine 147-81-9,
 Arabinose 150-13-0, PABA 153-18-4, Rutin 305-84-0, Carnosine
 317-34-0, Aminophylline 327-97-9, Chlorogenic acid 370-98-9,
 N-Methyltyramine 404-86-4, Capsaicin 471-53-4, Glycyrrhetic acid

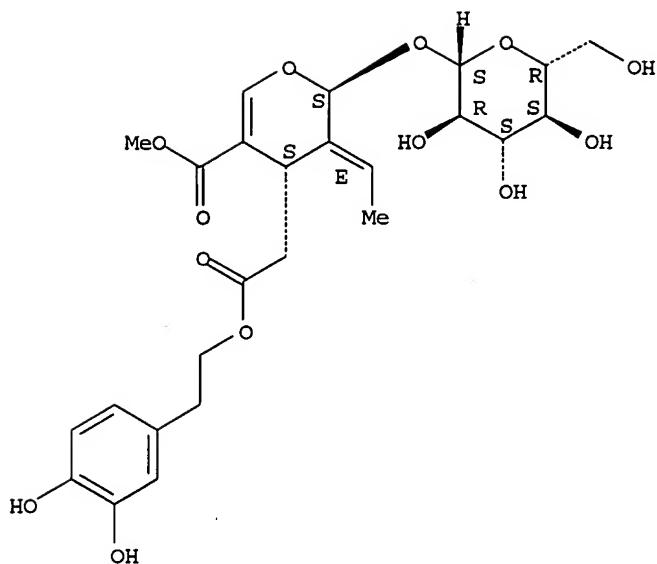
472-61-7, Astaxanthin 476-66-4, Ellagic acid 488-69-7,
 Fructose-1,6-diphosphate 491-67-8, Baicalein 491-70-3, Luteolin
 501-36-0, Resveratrol 502-65-8, Lycopene 512-04-9, Diosgenin
 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 520-45-6,
 Dehydroacetic acid 528-58-5, Cyanidin 531-75-9, Esculin 539-15-1,
 Hordenine 541-15-1, L-Carnitine 548-04-9, Hypericin 1200-22-2,
 α -Lipoic acid 1314-13-2, Zinc oxide (ZnO), biological studies
 1344-28-1, Alumina, biological studies 1399-64-0, Gymnemic acid
 1406-16-2, Vitamin D 1406-18-4, Vitamin E 1987-71-9 2086-83-1,
 Berberine 2174-16-5, Trolamine salicylate 2420-56-6,
 10-trans,12-cis-Linoleic acid 2540-56-9, 9-cis,11-trans-Linoleic acid
 3380-34-5, Triclosan 3486-35-9, Zinc carbonate 4773-96-0, Mangiferin
 5508-58-7, Andrographolide 6147-11-1, Mangostin 6197-30-4, Octocrylene
 6205-14-7, Hydroxycitric acid 6205-14-7D, Hydroxycitric acid, salts
 6805-41-0, Escin 6829-55-6, Tocotrienol 6915-15-7, Malic acid
 7440-47-3D, Chromium, complex with picolinic acid 7631-86-9, Silica,
 biological studies 8011-96-9, Calamine 8063-16-9, Psyllium
 9000-01-5, Gum arabic 9000-07-1, Carrageenan 9000-40-2, Locust bean
 gum 9000-69-5, Pectin 9002-18-0, Agar 9002-72-6, Somatotropin
 9002-88-4, Polyethylene 9004-34-6, Cellulose, biological studies
 9004-34-6D, Cellulose, derivs. 9004-61-9, Hyaluronic acid 9005-25-8,
 Starch, biological studies 9005-25-8D, Starch, derivs. 9005-38-3,
 Algin 9005-80-5D, Inulin, hydrolyzed 9006-65-9, Dimethicone
 9012-76-4, Chitosan 9016-00-6, Polydimethyl siloxane 9088-07-7,
 Natriuretic peptide 10216-17-8, Hydroxytetronic acid 11138-66-2,
 Xanthan gum 12001-76-2, Vitamin B 12001-79-5, Vitamin K 13106-41-7
 13463-18-8, Glutathione ascorbate 13463-67-7, Titanium oxide, biological
 studies 16397-78-7, 2-Ethylhexyl cinnamate 16589-24-5, Synephrine
 16830-15-2, Asiaticoside 17463-61-5 17941-34-3, Aleuritic acid
 20283-92-5, Rosmarinic acid 29593-08-6 31692-79-2, Dimethiconol
 31900-57-9, Polydimethyl siloxane 32619-42-4, Oleuropein
 36062-04-1, Tetrahydrocurcumin 55306-04-2, Sericoside 56996-83-9,
 Phaseolamin 57448-83-6 59219-65-7, Darutoside 66575-29-9, Forskolin
 70356-09-1, Avobenzone 71010-52-1, Gellan gum 94231-35-3 125913-31-7
 135322-32-6, Chitosan ascorbate 174882-69-0, Pycnogenol 211504-83-5
 439666-13-4 676608-06-3 676608-07-4 676608-08-5 683226-75-7
 697291-65-9, Phytosan 728945-82-2, Azaftig
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (skin firming anti-aging cosmetic compns.)

IT 32619-42-4, Oleuropein
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (skin firming anti-aging cosmetic compns.)

RN 32619-42-4 HCPLUS

CN 2H-Pyran-4-acetic acid, 3-ethylidene-2-(β -D-glucopyranosyloxy)-3,4-dihydro-5-(methoxycarbonyl)-, 2-(3,4-dihydroxyphenyl)ethyl ester, (2S,3E,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
 Double bond geometry as shown.



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 NCLS, EXF, REP, REN, ARTU, EXNAM, LREP, CLMN, DRWN, AB,
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 GI ----- PN and page image numbers
 HIT ----- All fields containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
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 IALL ----- ALL, indented with text labels
 IALLG ----- IALL plus PAGE.DRAW
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 IBIBG ----- IBIB plus PAGE.DRAW
 IMAX ----- MAX, indented with text labels
 IMAX.EX ---- IMAX for original and latest publication
 IND ----- INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, IPCI, IPCI-2, IPCR,
 EXF, ARTU, OS, CC, SX, ST, IT
 IPC.TAB ---- IPC in tabular format
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 RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLM, CLMN, ECL,
 DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,
 INCLM, INCLS, NCL, NCLM, NCLS, IC, IPCI, IPCI-2,
 IPCR, EXF, ARTU, OS, CC, SX, ST, IT
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 OCC ----- List of display fields containing hit terms
 SBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
 DT, FS, LN.CNT
 STD ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
 DT, FS, LN.CNT, INCL, INCLM, INCLS, NCL, NCLM, NCLS,
 IC, IPCI, IPCI-2, IPCR, EXF (STD is the default)
 STD.EX ---- STD for original and latest publication
 TRIAL ----- AN, TI, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC,
 IPCI, IPCI-2, IPCR

 SCAN ----- AN, TI, NCL, NCLM, NCLS, IC, IPCI, IPCI-2, IPCR (random display
 without answer number. SCAN must be entered on the
 same line as DISPLAY, e.g., D SCAN)
 ENTER DISPLAY FORMAT (STD):end

=> d bib abs ind fhitstr hitrn 139 3 5 7 8

L39 ANSWER 3 OF 11 USPATFULL on STN
 AN 2006:79909 USPATFULL
 TI Method and composition for imparting high shine to a polymeric substrate
 IN Bertz, Steven H., Morristown, NJ, UNITED STATES
 Orofino, Steven A., Hamburg, NJ, UNITED STATES
 Botschka, Ellen S., Riverdale, NJ, UNITED STATES
 PA ISP INVESTMENTS INC. (U.S. corporation)
 PI US2006067900 A1 20060330
 AI 2004US-0952948 A1 20040929 (10)
 DT Utility
 FS APPLICATION
 LREP William J. Davis, Esq., INTERNATIONAL SPECIALTY PRODUCTION, Legal
 Department, 1361 Alps Road, Building No. 8, Wayne, NJ, 07470, US
 CLMN Number of Claims: 14
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 179
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB A method and composition for imparting high shine to a polymeric
 substrate such as hair or skin, leather or a plastic which comprises

applying thereto a phenylethyl or benzyl ester.

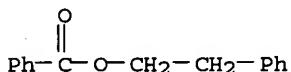
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

INCL INCLM: 424/064.000
 INCLS: 106/003.000
 NCL NCLM: 424/064.000
 NCLS: 106/003.000
 IC IPCI A61K0008-39 [I,A]; A61K0008-30 [I,C*]; C09G0001-02 [I,A];
 C09G0001-00 [I,C*]

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2006 ACS on STN

	PATENT	KIND	DATE
OS	CA 142:140800 * US 20050008586	A1	20050113
	CA 142:162065 US 20050019280	A1	20050127
	CA 143:120093 US 20050152858	A1	20050714
	CA 144:376060 US 20060078514	A1	20060413
* CA Indexing for this record included			
CC	62-4 (Essential Oils and Cosmetics)		
	Section cross-reference(s): 5, 25, 42, 63		
ST	phenethyl aryl ester solubilizing agent sunscreen cosmetic; Escalol 517		
	phenylethyl benzoate benzoic acid phenylethyl ether prepn		
IT	Cosmetics		
	(antiaging; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	Paints		
	(antifouling; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	Carboxylic acids, biological studies		
	(aromatic, esters with phenylethyl alc.; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	Agriculture and Agricultural chemistry		
	Cosmetics		
	Drugs		
	Solar absorbers		
	Solubility		
	Solubilizers		
	Sunscreens		
	UV A radiation		
	(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	70356-09-1, Escalol 517		
	(Avobenzone; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	28159-98-0, Nuocide 1051		
	(anti-fouling paints for boats; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	94-47-3P, 2-Phenylethyl benzoate 203587-50-2P		
	500286-29-3P		
	(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	60-12-8D, 2-Phenylethyl alcohol, esters of aryl carboxylic acids		
	(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	29091-21-2, Prodiamine		
	(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	75-75-2, Methanesulfonic acid 814-94-8, Fascat 2001 818-08-6, Fascat 4201 2273-43-0, Fascat 4100 6303-21-5, Hypophosphorous acid 14536-20-0 25448-25-3, Triisodecylphosphite		
	(compns. containing phenethyl aryl esters as solubilizing agents for		

cosmetics and drugs and agricultural chems. and industrial paints)
 IT 136392-67-1, Stabileze QM
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)
 IT 118-60-5, Escalol 587 131-57-7, Escalol 567 3380-34-5, Triclosan 5466-77-3, Escalol 557 9004-99-3, Cerasynt 840 31566-31-1, Cerasynt 945
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)
 IT 60-12-8, 2-Phenylethyl alcohol 65-85-0, Benzoic acid, reactions 85-44-9, Phthalic anhydride 93-58-3, Methyl benzoate 99-94-5 118-90-1
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)
 IT 13330-42-2P
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)
 IT 94-47-3P, 2-Phenylethyl benzoate
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)
 RN 94-47-3 USPATFULL
 CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



IT 94-47-3P, 2-Phenylethyl benzoate 203587-50-2P
 500286-29-3P
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)
 IT 13330-42-2P
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

L39 ANSWER 5 OF 11 USPATFULL on STN
 AN 2005:176778 USPATFULL
 TI Solubilizing agents for active or functional organic compounds
 IN Bertz, Steven H., Morristown, NJ, UNITED STATES
 Makarovsky, Ilya, Fair Lawn, NJ, UNITED STATES
 Laura, Donna N., Nutley, NJ, UNITED STATES
 PA ISP INVESTMENTS INC. (U.S. corporation)
 PI US2005152858 A1 20050714
 AI 2004US-0007744 A1 20041208 (11)
 RLI Continuation-in-part of Ser. No. 2003US-0617497, filed on 11 Jul 2003, PENDING Continuation-in-part of Ser. No. 2004US-0859533, filed on 2 Jun 2004, PENDING Continuation-in-part of Ser. No. 2004US-0952948, filed on 29 Sep 2004, PENDING Continuation-in-part of Ser. No. 2004US-0952949, filed on 29 Sep 2004, PENDING Continuation-in-part of Ser. No. 2004US-0961564, filed on 8 Oct 2004, PENDING

DT Utility
 FS APPLICATION
 LREP INTERNATIONAL SPECIALTY PRODUCTS, Attn: William J. Davis, Esq., Legal Department, 1361 Alps Road, Building No. 8, Wayne, NJ, 07470, US
 CLMN Number of Claims: 22
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 833
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB An active or functional organic compound is solubilized in a diaryl organic compound having a polar or polarizable functional group therein, as a solvent, cosolvent or additive, to form a composition thereof. Representative active or functional organic compounds include those present in personal care products, e.g., sunscreens containing UVA/UVB

absorbing compounds, such as avobenzone, benzophenone-3, and 4-methylbenzylidene camphor. Such compositions also show increased SPF, UVA/UVB absorbance ratio, and critical wavelength performance properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

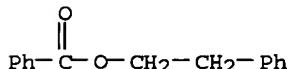
INCL INCLM: 424/059.000
 INCLS: 514/532.000; 514/538.000
 NCL NCLM: 424/059.000
 NCLS: 514/532.000; 514/538.000
 IC [7]
 ICM A61K-0007/42
 IPCI A61K0007-42 [ICM, 7]
 IPCR A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A];
 A61Q0017-04 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-08 [I,C*];
 C07C0067-00 [I,C*]; C07C0067-03 [I,A]; C07C0067-08 [I,A]

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2006 ACS on STN

	PATENT		KIND	DATE
OS	CA 142:140800	US 20050008586	A1	20050113
	CA 142:162065	US 20050019280	A1	20050127
	CA 143:120093 *	US 20050152858	A1	20050714
	CA 144:376060	US 20060078514	A1	20060413
* CA Indexing for this record included				
CC	62-4 (Essential Oils and Cosmetics)			
ST	solubilizer diaryl org compd sunscreen			
IT	Alcohols, biological studies (aralkyl, esters; solubilizing agents for active or functional organic compds.)			
IT	Carboxylic acids, biological studies (aromatic, esters; solubilizing agents for active or functional organic compds.)			
IT	Quaternary ammonium compounds, biological studies (camphor benzalkonium methosulfates; solubilizing agents for active or functional organic compds.)			
IT	Polysiloxanes, biological studies (di-Me, 3-[4-[3-ethoxy-2-(ethoxycarbonyl)-3-oxo-1-propenyl]phenoxy]-1-propenyl Me; solubilizing agents for active or functional organic compds.)			
IT	Phenols, biological studies (esters; solubilizing agents for active or functional organic compds.)			
IT	Solubilizers Sunscreens (solubilizing agents for active or functional organic compds.)			
IT	Organic compounds, biological studies Polyoxyalkylenes, biological studies (solubilizing agents for active or functional organic compds.)			
IT	118-56-9, Homosalate 118-60-5 131-57-7, Benzophenone-3 150-13-0, p-Aminobenzoic acid 4065-45-6, Benzophenone-4 5466-77-3 6197-30-4, Octocrylene 6628-37-1, Benzophenone-5 15087-24-8, 3-Benzylidene camphor 15087-24-8D, polyacrylamido derivs. 21245-02-3 25322-68-3D, PEG, PABA complex 27503-81-7, Phenylbenzimidazole sulfonic acid 36861-47-9, 4-Methylbenzylidene camphor 54472-84-3 70356-09-1, Avobenzone 71617-10-2, Isoamyl p-methoxycinnamate 88122-99-0, Ethylhexyl triazone 103597-45-1 154702-15-5, Diethylhexyl butamido triazone 155633-54-8, Drometrizole trisiloxane 169169-08-8 180898-37-7, Disodium phenyldibenzimidazole tetrasulfonate 730957-80-9 (solubilizing agents for active or functional organic compds.)			
IT	94-47-3, 2-Phenylethyl benzoate 102-20-5, 2-Phenylethyl Phenylacetate 120-51-4, Benzyl benzoate 4173-59-5, 2-Phenoxyethyl benzoate 6290-44-4 13358-49-1, 1-Phenylethyl benzoate 15014-25-2, Dibenzyl malonate 19224-26-1, Propylene glycol dibenzoate 23450-30-8, p-Methylbenzyl benzoate 51801-00-4 56961-74-1, 1-Phenylethyl Phenylacetate 58687-92-6 60045-26-3, 3-Phenylpropyl benzoate 60045-27-4 76414-19-2 90172-19-3 101584-47-8 (solubilizing agents for active or functional organic compds.)			

203587-50-2 212261-14-8 441283-37-0
 500286-29-3 857839-66-8 857839-67-9 857839-68-0
 (solubilizing agents for active or functional organic compds.)

IT 94-47-3, 2-Phenylethyl benzoate
 (solubilizing agents for active or functional organic compds.)
 RN 94-47-3 USPATFULL
 CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



IT 94-47-3, 2-Phenylethyl benzoate 102-20-5, 2-Phenylethyl
 Phenylacetate 6290-44-4 90172-19-3
 203587-50-2 441283-37-0 500286-29-3
 (solubilizing agents for active or functional organic compds.)

L39 ANSWER 7 OF 11 USPATFULL on STN

AN 2005:22738 USPATFULL

TI Compositions containing phenethyl aryl esters as solubilizing agents for active organic compounds

IN Bertz, Steven H., Morristown, NJ, UNITED STATES
 D'Arcangelis, Samuel T., Randolph, NJ, UNITED STATES
 Makarovsky, Ilya, Fair Lawn, NJ, UNITED STATES
 Rerek, Mark, Scotch Plains, NJ, UNITED STATES

PI US2005019280 A1 20050127

AI 2004US-0859533 A1 20040602 (10)

RLI Continuation-in-part of Ser. No. 2003US-0617497, filed on 11 Jul 2003, PENDING

DT Utility

FS APPLICATION

LREP SCULLY, SCOTT, MURPHY & PRESSER, 400 Garden City Plaza, Garden City, NY, 11530

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 666

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An active or functional organic compound is solubilized in a phenylethyl ester, e.g. an aryl carboxylic ester of 2-phenylethyl alcohol, as a solvent, cosolvent or additive, to form a composition thereof. Representative active or functional organic compounds include personal care products, e.g. sunscreens containing UVA/UVB absorbing compounds, such as avobenzene and benzophenone-3. Such compositions also show increased critical wavelength and UVA/UVB absorbance ratio performance properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

INCL INCLM: 424/059.000

NCL NCLM: 424/059.000

IC [7]

ICM A61K-0007/42

IPCI A61K0007-42 [ICM, 7]

IPCR A61K0008-30 [I,C*]; A61K0008-37 [I,A]; A61Q0017-04 [I,A];
 A61Q0017-04 [I,C*]; A61Q0019-08 [I,A]; A61Q0019-08 [I,C*];
 C07C0067-00 [I,C*]; C07C0067-03 [I,A]; C07C0067-08 [I,A]

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2006 ACS on STN

	PATENT	KIND	DATE
OS	CA 142:140800 US 20050008586 A1 20050113		
	CA 142:162065 * US 20050019280 A1 20050127		
	CA 143:120093 US 20050152858 A1 20050714		

CA 144:376060 US 20060078514 A1 20060413

* CA Indexing for this record included

CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 5, 25, 63

ST phenethyl aryl ester solubilizer sunscreen drug agrochem; phenylethyl benzoate prep solubilizer sunscreen

IT Polysiloxanes, biological studies
(Polysilicone 15; phenethyl aryl esters as solubilizing agents for active organic compds.)

IT Optical filters
(UV; phenethyl aryl esters as solubilizing agents for active organic compds.)

IT Quaternary ammonium compounds, biological studies
(camphor benzalkonium methosulfates; phenethyl aryl esters as solubilizing agents for active organic compds.)

IT Agrochemicals
Drugs
Solubilizers
Sunscreens
(phenethyl aryl esters as solubilizing agents for active organic compds.)

IT 118-56-9, Homosalate 118-60-5 131-57-7, Escalol 567 150-13-0, p-Aminobenzoic acid 4065-45-6, Benzophenone-4 5466-77-3 6197-30-4, Octocrylene 6628-37-1, Benzophenone-5 15087-24-8D, Benzylidene camphor, polyacrylamido derivs. 21245-02-3 27503-81-7, Phenylbenzimidazole sulfonic acid 36861-47-9, 4-Methylbenzylidene camphor 54472-84-3 70356-09-1, Escalol 517 71617-10-2, Isoamyl p-methoxycinnamate 88122-99-0, Ethylhexyl triazone 103597-45-1 154702-15-5, Diethylhexyl butamido triazone 155633-54-8, Drometrizole trisiloxane 168475-44-3 169169-08-8 180898-37-7, Disodium phenyldibenzimidazole tetrasulfonate 730957-80-9
(phenethyl aryl esters as solubilizing agents for active organic compds.)

IT 50-49-7, Imipramine 52-01-7, Spironolactone 54-31-9, Furosemide 58-32-2, Dipyridamole 58-94-6, Chlorthiazide 298-46-4, Carbamazepine 630-93-3, Dilantin 3380-34-5, Triclosan 10238-21-8, Glyburide 15307-86-5, Diclofenac 28159-98-0, Nuocide 1051 29091-21-2, Prodiamine 53230-10-7, Mefloquine 59865-13-3, Cyclosporine 63798-73-2, Cyclosporin E 66085-59-4, Nimodipine 75330-75-5, Lovastatin 76824-35-6, Famotidine 81103-11-9, Clarithromycin
(phenethyl aryl esters as solubilizing agents for active organic compds.)

IT 75-75-2, Methanesulfonic acid 814-94-8, Fascat 2001 818-08-6, Fascat 4201 6303-21-5, Hypophosphorous acid 25448-25-3, Triisodecyl phosphite
(preparation of phenethyl aryl esters as solubilizing agents for active organic compds.)

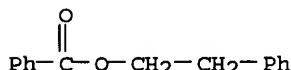
IT 94-47-3P, 2-Phenylethyl benzoate 13330-42-2P
203587-50-2P 500286-29-3P
(preparation of phenethyl aryl esters as solubilizing agents for active organic compds.)

IT 60-12-8, 2-Phenylethyl alcohol 65-85-0, Benzoic acid, reactions 85-44-9, Phthalic anhydride 93-58-3, Methyl benzoate 99-94-5, p-Methylbenzoic acid 118-90-1, o-Methylbenzoic acid
(preparation of phenethyl aryl esters as solubilizing agents for active organic compds.)

IT 94-47-3P, 2-Phenylethyl benzoate
(preparation of phenethyl aryl esters as solubilizing agents for active organic compds.)

RN 94-47-3 USPATFULL

CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



IT 94-47-3P, 2-Phenylethyl benzoate 13330-42-2P

203587-50-2P 500286-29-3P
 (preparation of phenethyl aryl esters as solubilizing agents for active organic compds.)

L39 ANSWER 8 OF 11 USPATFULL on STN
 AN 2005:10454 USPATFULL
 TI Compositions containing phenethyl aryl esters as solubilizing agents for active organic compounds
 IN Bertz, Steven H., Morristown, NJ, UNITED STATES
 D'Arcangelis, Samuel T., Randolph, NJ, UNITED STATES
 Makarovsky, Ilya, Fair Lawn, NJ, UNITED STATES
 Rerek, Mark, Scotch Plains, NJ, UNITED STATES
 PA ISP INVESTMENTS INC. (U.S. corporation)
 PI US2005008586 A1 20050113
 AI 2003US-0617497 A1 20030711 (10)
 DT Utility
 FS APPLICATION
 LREP Attn: William J. Davis, Esq., INTERNATIONAL SPECIALITY PRODUCTS, Legal Dept., Bldg No. 10, 1361 Alps Road, Wayne, NJ, 07470
 CLMN Number of Claims: 15
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 575
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An active or functional organic compound is solubilized in a phenylethyl ester, e.g. an aryl carboxylic ester of 2-phenylethyl alcohol, as a solvent, cosolvent or additive, to form a composition thereof. Representative active or functional organic compounds include personal care products, e.g. sunscreens containing UVA/UVB absorbing compounds, such as avobenzone and benzophenone-3. Such compositions also show increased critical wavelength and UVA/UVB absorbance ratio performance properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

INCL INCLM: 424/059.000
 NCL NCLM: 424/059.000
 IC [7]
 ICM A61K-0007/42
 IPCI A61K0007-42 [ICM, 7]
 IPCR A61K0008-30 [I, C*]; A61K0008-37 [I, A]; A61Q0017-04 [I, A];
 A61Q0017-04 [I, C*]; A61Q0019-08 [I, A]; A61Q0019-08 [I, C*];
 C07C0067-00 [I, C*]; C07C0067-03 [I, A]; C07C0067-08 [I, A]

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2006 ACS on STN

	PATENT	KIND	DATE
OS	CA 142:140800 * US 20050008586	A1	20050113
	CA 142:162065 US 20050019280	A1	20050127
	CA 143:120093 US 20050152858	A1	20050714
	CA 144:376060 US 20060078514	A1	20060413
* CA Indexing for this record included			
CC	62-4 (Essential Oils and Cosmetics) Section cross-reference(s): 5, 25, 42, 63		
ST	phenethyl aryl ester solubilizing agent sunscreen cosmetic; Escalol 517 phenylethyl benzoate benzoic acid phenylethyl ether prepn		
IT	Cosmetics (antiaging; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	Paints (antifouling; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	Carboxylic acids, biological studies (aromatic, esters with phenylethyl alc.; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural		

chems. and industrial paints)

IT Agriculture and Agricultural chemistry

Cosmetics

Drugs

Solar absorbers

Solubility

Solubilizers

Sunscreens

UV A radiation

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 70356-09-1, Escalol 517

(Avobenzone; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 28159-98-0, Nuocide 1051

(anti-fouling paints for boats; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 94-47-3P, 2-Phenylethyl benzoate 203587-50-2P

500286-29-3P

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 60-12-8D, 2-Phenylethyl alcohol, esters of aryl carboxylic acids

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 29091-21-2, Prodiamine

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 75-75-2, Methanesulfonic acid 814-94-8, Fascat 2001 818-08-6, Fascat 4201 2273-43-0, Fascat 4100 6303-21-5, Hypophosphorous acid 14536-20-0 25448-25-3, Triisodecylphosphite

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 136392-67-1, Stabileze QM

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 118-60-5, Escalol 587 131-57-7, Escalol 567 3380-34-5, Triclosan 5466-77-3, Escalol 557 9004-99-3, Cerasynt 840 31566-31-1, Cerasynt 945

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 60-12-8, 2-Phenylethyl alcohol 65-85-0, Benzoic acid, reactions 85-44-9, Phthalic anhydride 93-58-3, Methyl benzoate 99-94-5 118-90-1

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 13330-42-2P

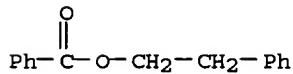
(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 94-47-3P, 2-Phenylethyl benzoate

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

RN 94-47-3 USPATFULL

CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



IT 94-47-3P, 2-Phenylethyl benzoate 203587-50-2P

500286-29-3P

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 13330-42-2P
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

=> d bib abs ind hitstr hitrn 139 1-2 4 6 9-11

L39 ANSWER 1 OF 11 USPATFULL on STN
 AN 2006:130778 USPATFULL
 TI Topical Delivery System for Cosmetic and Pharmaceutical Agents
 IN Gupta, Shyam K., BIODERM RESEARCH, 5221 E. Windrose Drive, Scottsdale, AZ, UNITED STATES 85254
 PA BIODERM RESEARCH, Scottsdale, AZ, UNITED STATES (U.S. corporation)
 PI US2006110415 A1 20060525
 AI 2004US-0904665 A1 20041122 (10)
 DT Utility
 FS APPLICATION
 LREP SHYAM K. GUPTA, BIODERM RESEARCH, 5221 E. WINDROSE DRIVE, SCOTTSDALE, AZ, 85254, US
 CLMN Number of Claims: 37
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 1995
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB This invention relates to topical compositions containing esters of hydroxy acids and their application in the deep-penetration delivery of beneficial cosmetic and pharmaceutical agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

INCL INCLM: 424/401.000
 INCLS: 424/059.000
 NCL NCLM: 424/401.000
 NCLS: 424/059.000
 IC IPCI A61K0008-37 [I,A]; A61K0008-30 [I,C*]

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2006 ACS on STN

	PATENT	KIND	DATE
OS	CA 145:14124 * US 20060110415	A1	20060525
* CA Indexing for this record included			
CC	62-4 (Essential Oils and Cosmetics) Section cross-reference(s): 63		
ST	hydroxycarboxylic acid ester penetration enhancer topical cosmetic pharmaceutical		
IT	Polyvinyl acetals ((diethylamino)acetals; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)		
IT	Alcohols, biological studies (C16-18; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)		
IT	Fats and Glyceridic oils, biological studies (Murumuru butter; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)		
IT	Quaternary ammonium compounds, biological studies (Tritons; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)		
IT	Regeneration, animal (agents for induction of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)		
IT	Sebum (agents for modulation of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)		

IT Acne
 Pruritus
 Psoriasis
 Seborrhea
 Sleep disorders
 (agents for treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Skin, disease
 (aging, agents for treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Surfactants
 (amphoteric; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Fats and Glyceridic oils, biological studies
 (animal, reduction of excess; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Surfactants
 (anionic; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Hair preparations
 (antidandruff; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Fats and Glyceridic oils, biological studies
 (apricot kernel; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Skin preparations (pharmaceutical)
 (astringents; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Pinus
 (bark extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Soaps
 (bars; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Spheres
 (beads; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Panax
 (berry exts.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Collagens, biological studies
 Elastins
 (boosting agents; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Surfactants
 (cationic; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Skin
 (cellulite, agents for control of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Tobacco smoke
 (cessation agents; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Polysiloxanes, biological studies
 (cetyl Me, di-Me; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Fatty acids, biological studies
 (coco, 2-sulfoethyl esters, sodium salts; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Drug delivery systems

(colloids; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT DNA
(complexes, with ascorbic acid; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
Hair preparations
(conditioners; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
(creams; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Skin
(darkening and lightening agents; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
(depilatories; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cyclosiloxanes
(di-Me; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Ketones, biological studies
(diketones, unsatd., curcuminoids, tetrahydro, derivs.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
Drug delivery systems
(emollients; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
Drug delivery systems
(emulsions; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Aesculus hippocastanum
Ammi visnaga
Arctostaphylos uva-ursi
Arnica montana
Aspergillus oryzae
Avena sativa
Boswellia serrata
Broussonetia kazinoki
Calendula officinalis
Camellia sinensis
Centella asiatica
Cordia schomburgkii
Corynanthe johimbe
Ecklonia cava
Embllica
Filipendula ulmaria
Gouania blanchetiana
Gymnema sylvestre
Hedera helix
Hibiscus furcellatus
Hypericum perforatum
Kaempferia galanga
Laminaria
Leukocyte
Maprounea guianensis
Melilotus officinalis
Mitracarpus scaber
Orthosiphon stamineus
Panax ginseng
Phaseolus vulgaris
Phyllanthus emblica

Plectranthus barbatus
 Potentilla erecta
 Randia armata
 Rosmarinus officinalis
 Rumex crispus
 Ruscus aculeatus
 Salvia officinalis
 Siegesbeckia orientalis
 Spondias mombin
 Tephrosia
 Terminalia sericea
 Trigonella foenum-graecum
 Waltheria indica
 Zingiber officinale
 (extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Embryophyta
 Plants
 Rumex occidentalis
 Tea products
 (exts.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Cosmetics
 (face packs; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Cosmetics
 Drug delivery systems
 (gels; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Fats and Glyceridic oils, biological studies
 (grape seed; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Tea products
 (green, extract of, Green tea extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Dyes
 (green/blue; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Hair preparations
 (growth inhibitors; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Hair preparations
 (growth stimulants; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Plantago psyllium
 (husk; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Carboxylic acids, biological studies
 (hydroxy, esters; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Garcinia cambogia
 (hydroxycitric acid of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Drug delivery systems
 (implants, skin surface; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Sexual disorders
 (impotence, agents for treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Skin, disease

(irritation, agents for prevention/treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
(lip balms; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Soaps
(liquid; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
Drug delivery systems
(liqs.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
Drug delivery systems
(lotions; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Fats and Glyceridic oils, biological studies
(mango kernel; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Circulation
(microcirculation, agents for improvement of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Melanins
(modulating agent; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
(moisturizers; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Mental and behavioral disorders
(mood-affecting, agents for treatment of; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
Drug delivery systems
(nanoparticles; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Surfactants
(nonionic; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Bath preparations
(oils; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Drug delivery systems
(ointments, creams; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Resins
(oleoresins, paprika; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Luffa
(particles; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Sulfonic acids, biological studies
(polymers; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Phenols, biological studies
(polyphenols, nonpolymeric; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Glycyrrhiza glabra
(root exts.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Resins
 (sandarac; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Amines, biological studies
 (secondary, bis-, polymers with ethylenediamine and hydrogenated dilinoleates; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cola (plant)
 Vitis vinifera
 (seed extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
 (serums; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Protein hydrolyzates
 (silk; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Drug delivery systems
 (solns.; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Protein hydrolyzates
 (soya; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
 Drug delivery systems
 (sprays; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Cosmetics
 (sticks; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Polymers, biological studies
 (sulfo-containing; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Drug delivery systems
 (suspensions; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Hibiscus sabdariffa
 (tea extract; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT Aloe barbadensis

Analgesics

Andrographis paniculata

Anesthetics

Anti-inflammatory agents

Antianginal agents

Antibacterial agents

Antibiotics

Antidepressants

Antidiabetic agents

Antidiarrheals

Antiemetics

Antimigraine agents

Antiobesity agents

Antosteoporotic agents

Antioxidants

Antiparkinsonian agents

Antiperspirants

Antiulcer agents

Antiviral agents

Bronchodilators

Citrus sinensis

Colloids

Colognes

Coloring materials

Curcuma longa

Fungicides

Garcinia mangostana
 Haematococcus
 Human
 Humectants
 Immunomodulators
 Lycopersicon esculentum
 Mangifera indica
 Olea europaea
 Orange
 Perfumes
 Permeation enhancers
 Polygonum cuspidatum
 Preservatives
 Punica granatum
 Seed
 Shampoos
 Solubilizers
 Sunscreens
 Suspensions
 Tagetes patula
 UV stabilizers
 Vaccinium
 Vaccinium myrtillus
 Wound healing promoters
 (topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)
 IT Carotenes, biological studies
 Clays, biological studies
 Cocoa butter
 Glycols, biological studies
 Hormones, animal, biological studies
 Kaolin, biological studies
 Lipoproteins
 Mica-group minerals, biological studies
 Mineral elements, biological studies
 Petrolatum
 Polyoxyalkylenes, biological studies
 Polysiloxanes, biological studies
 Retinoids
 Rosin
 Shellac
 Silica gel, biological studies
 Silicates, biological studies
 Silicone rubber, biological studies
 Steroids, biological studies
 Ureas
 Vitamins
 Zeins
 Zeolites (synthetic), biological studies
 (topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)
 IT Drug delivery systems
 (transdermal; topical delivery systems comprising esters of hydroxy
 acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Fats and Glyceridic oils, biological studies
 (ximenia; topical delivery systems comprising esters of hydroxy acids
 as penetration enhancers for cosmetic and pharmaceutical uses)
 IT Surfactants
 (zwitterionic; topical delivery systems comprising esters of hydroxy
 acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT 89-84-9
 (Resacetophenone; topical delivery systems comprising esters of hydroxy
 acids as penetration enhancers for cosmetic and pharmaceutical uses)
 IT 9002-88-4, Polyethylene
 (balls; topical delivery systems comprising esters of hydroxy acids as
 penetration enhancers for cosmetic and pharmaceutical uses)

IT 9001-66-5, MAO
 (inhibitors; topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

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 Paeonol 557-34-6, Zinc acetate 585-24-0, Isobutyl lactate
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 616-09-1, Propyl lactate 616-45-5, Pyrrolidone 617-51-6, Isopropyl
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 2,4,5-Trihydroxyacetophenone 1847-58-1, Sodium lauryl sulfoacetate
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 2174-16-5, Trolamine salicylate 2197-63-9, Dicetyl phosphate
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 2-Acetylpyridine N-oxide 2540-56-9, 9-cis,11-trans-Linoleic acid
 2887-72-1, 3',5'-Dibromo-4'-hydroxyacetophenone 3055-94-5, Laureth-3
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 6805-41-0, Escin 6829-55-6, Tocotrienol 6906-37-2D, Mannonic acid,
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 penetration enhancers for cosmetic and pharmaceutical uses)

IT

7397-62-8, Butyl glycolate 7439-96-5, Manganese, biological studies
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 8011-96-9, Calamine 8050-88-2, Celluloid 9002-72-6, Growth hormone
 9003-05-8, Polyacrylamide 9003-39-8, Polyvinylpyrrolidone 9004-38-0,
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 25618-55-7, Polyglycerol 26163-61-1 26326-73-8, biological studies
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 27178-06-9 27517-34-6D, graft polymer derivs. 27750-10-3,
 Hydroxycitric acid 27750-10-3D, Hydroxycitric acid, alkyl and aryl
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 28223-42-9D, Allonic acid, alkyl and aryl esters 28514-63-8
 28572-98-7, Ethyl methacrylate-methacrylic acid copolymer 29130-41-4
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 2-hydroxybutanoate 29710-25-6, 2-Ethylhexyl 12-hydroxystearate
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 51261-06-4 51261-08-6 51261-33-7 51261-34-8 51261-35-9
 51863-60-6, 3,5-Dihydroxyacetophenone 52089-54-0, Ethyl
 2-hydroxybutanoate 52089-55-1, Ethyl 2-hydroxyhexanoate 52182-15-7
 52182-16-8 52613-19-1 53798-96-2 54340-91-9, Methyl
 2-hydroxyheptanoate 55306-04-2, Sericoside 56009-40-6, Methyl
 2-hydroxytetradecanoate 56210-21-0 56780-58-6, Starch
 hydroxypropyltrimonium chloride 56842-80-9 56996-83-9, Phaseolamine
 57448-83-6 58450-52-5, Disodium laureth sulfosuccinate 59113-36-9,
 Diglycerol 59219-65-7, Darutoside 59443-15-1 59854-10-3, tert-Butyl
 lactate 60787-27-1 61574-64-9 62123-57-3 63167-15-7 63363-19-9
 65277-53-4 65497-29-2, Guar hydroxypropyltrimonium chloride
 66267-54-7 66267-58-1 66634-12-6, Niacinamide salicylate
 68756-64-9, Methyl 2-hydroxyhexanoate 70289-34-8 70356-09-1,
 Avobenzone 71138-97-1, Hydroxypropyl methyl cellulose acetate succinate
 71271-24-4, Methyl 2-hydroxydecanoate 73573-57-6 73634-76-1, Methyl
 2-hydroxyoctanoate 73634-77-2 74592-76-0 76414-35-2 76994-59-7
 85918-30-5, 2,3,6-Trihydroxyacetophenone 86432-23-7, Sodium stearyl
 phthalamate 90357-58-7, Propyl glycolate 90675-74-4 91776-00-0, PEG
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 93993-87-4 94006-12-9 94231-35-3 94983-14-9 100386-17-2
 100495-94-1 100528-82-3 100963-05-1 101396-13-8 101396-15-0
 101453-14-9 101996-62-7 101996-63-8 101996-64-9 101996-65-0
 102162-44-7, biological studies 102370-27-4 103049-26-9, biological
 studies 104037-54-9 105911-24-8 105911-25-9 106522-72-9
 106522-73-0 108740-82-5 110343-04-9, Glycerol lactate 110713-02-5
 110945-08-9 114214-84-5 114214-85-6 116435-95-1 116557-40-5
 117576-13-3 118068-28-3 120154-90-7 120154-91-8, Octyl
 2-hydroxyoctanoate 120154-92-9, Ethyl 2-hydroxyoctadecanoate
 122579-43-5 124111-47-3 125913-31-7, Ascorbyl phosphate, 125971-06-4
 126679-54-7 126925-06-2 129086-73-3, Ethyl 2-hydroxytetradecanoate
 134970-46-0 135322-32-6, Chitosan ascorbate 135970-30-8 136208-65-6
 136208-68-9 136315-05-4 136599-01-4D, alkyl and aryl esters
 136745-48-7 143894-93-3, Decyl 2-hydroxyoctanoate 152167-64-1
 152167-65-2 161776-71-2 162328-63-4 162328-64-5 162328-65-6
 162328-67-8 163418-44-8 172098-18-9 172464-76-5 173855-08-8
 174882-69-0, Pycnogenol 175897-68-4 176035-22-6 199282-59-2
 199282-60-5 199282-61-6 199282-62-7 199282-63-8

(topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

IT	199282-65-0	199282-66-1	199282-67-2	199282-70-7	199282-71-8
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	199283-04-0	199283-05-1	199283-06-2	199283-07-3	199283-08-4
	199283-09-5	199283-10-8	199283-11-9	199283-12-0	199283-13-1
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	439666-13-4	676608-06-3	676608-07-4, Chondroitin ascorbate		
	676608-08-5, Carnosine lactate	683226-75-7	683226-76-8, Niacinamide		
	686298-78-2	697291-65-9, Phytosan	741264-99-3	786606-09-5	
	788121-73-3	856055-26-0	860708-13-0	862553-41-1	869901-47-3
	887617-62-1	887617-63-2	887617-67-6	887617-68-7	887617-69-8
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(topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

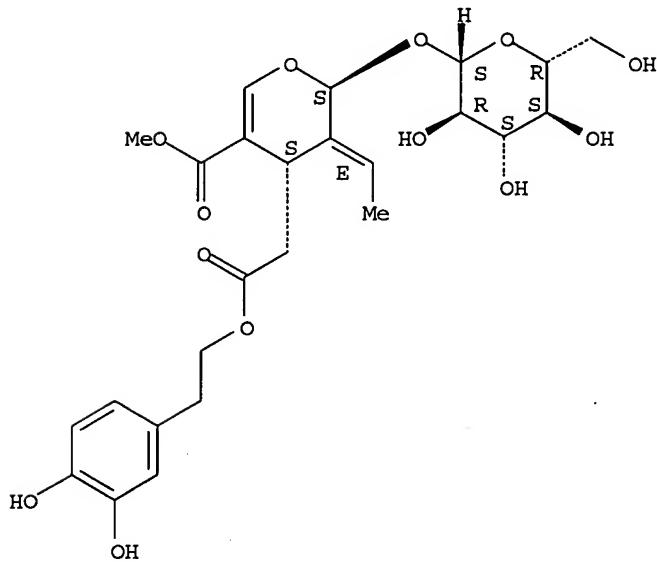
IT 32619-42-4, Oleuropein

(topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

RN 32619-42-4 USPATFULL

CN 2H-Pyran-4-acetic acid, 3-ethylidene-2- (β-D-glucopyranosyloxy)-3,4-dihydro-5-(methoxycarbonyl)-, 2-(3,4-dihydroxyphenyl)ethyl ester, (2S,3E,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.



IT 32619-42-4, Oleuropein

(topical delivery systems comprising esters of hydroxy acids as penetration enhancers for cosmetic and pharmaceutical uses)

L39 ANSWER 2 OF 11 USPATFULL on STN

AN 2006:79910 USPATFULL

TI Antiperspirant compositions

IN Bertz, Steven H., Morristown, NJ, UNITED STATES

Orofino, Steven A., Hamburg, NJ, UNITED STATES

Gomez, Blanca, Newark, NJ, UNITED STATES

PA ISP INVESTMENTS INC. (U.S. corporation)

PI US2006067901 A1 20060330

AI 2004US-0952949 A1 20040929 (10)

DT Utility

FS APPLICATION

LREP William J. Davis, Esq., INTERNATIONAL SPECIALTY PRODUCTS, Legal

CLMN Department, 1361 Alps Road, Building No. 8, Wayne, NJ, 07470, US
 Number of Claims: 10
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 221

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB What is described herein is an antiperspirant composition including an active antiperspirant ingredient, and a phenylethyl, benzyl or substituted benzyl ester as additive therein, which is an aryl carboxylic ester of 2-phenylethyl alcohol, 1-phenylethyl alcohol or benzyl alcohol, which leaves a reduced visible white chalky residue on the skin of the user.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

INCL INCLM: 424/066.000
 NCL NCLM: 424/066.000
 IC IPCI A61K0008-28 [I,A]; A61K0008-19 [I,C*]

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2006 ACS on STN

	PATENT	KIND	DATE
OS	CA 142:140800 * US 20050008586	A1	20050113
	CA 142:162065 US 20050019280	A1	20050127
	CA 143:120093 US 20050152858	A1	20050714
	CA 144:376060 US 20060078514	A1	20060413
* CA Indexing for this record included			
CC	62-4 (Essential Oils and Cosmetics) Section cross-reference(s): 5, 25, 42, 63		
ST	phenethyl aryl ester solubilizing agent sunscreen cosmetic; Escalol 517 phenylethyl benzoate benzoic acid phenylethyl ether prepn		
IT	Cosmetics (antiaging; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	Paints (antifouling; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	Carboxylic acids, biological studies (aromatic, esters with phenylethyl alc.; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	Agriculture and Agricultural chemistry Cosmetics Drugs Solar absorbers Solubility Solubilizers Sunscreens UV A radiation (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	70356-09-1, Escalol 517 (Avobenzone; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	28159-98-0, Nuocide 1051 (anti-fouling paints for boats; compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	94-47-3P, 2-Phenylethyl benzoate 203587-50-2P 500286-29-3P (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)		
IT	60-12-8D, 2-Phenylethyl alcohol, esters of aryl carboxylic acids (compns. containing phenethyl aryl esters as solubilizing agents for		

IT cosmetics and drugs and agricultural chems. and industrial paints)
 29091-21-2, Prodiamine
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 75-75-2, Methanesulfonic acid 814-94-8, Fascat 2001 818-08-6, Fascat 4201 2273-43-0, Fascat 4100 6303-21-5, Hypophosphorous acid 14536-20-0 25448-25-3, Triisodecylphosphite
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 136392-67-1, Stabileze QM
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 118-60-5, Escalol 587 131-57-7, Escalol 567 3380-34-5, Triclosan 5466-77-3, Escalol 557 9004-99-3, Cerasynt 840 31566-31-1, Cerasynt 945
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

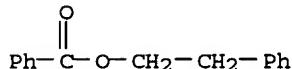
IT 60-12-8, 2-Phenylethyl alcohol 65-85-0, Benzoic acid, reactions 85-44-9, Phthalic anhydride 93-58-3, Methyl benzoate 99-94-5 118-90-1
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 13330-42-2P
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 94-47-3P, 2-Phenylethyl benzoate 203587-50-2P
 500286-29-3P
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

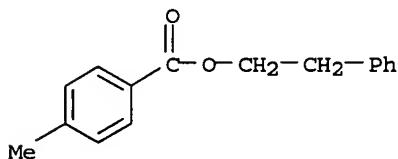
RN 94-47-3 USPATFULL

CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



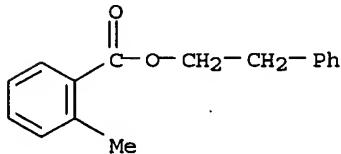
RN 203587-50-2 USPATFULL

CN Benzoic acid, 4-methyl-, 2-phenylethyl ester (9CI) (CA INDEX NAME)



RN 500286-29-3 USPATFULL

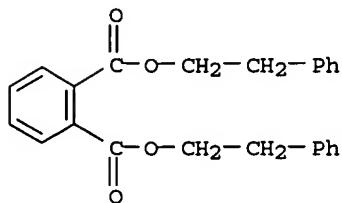
CN Benzoic acid, 2-methyl-, 2-phenylethyl ester (9CI) (CA INDEX NAME)



IT 13330-42-2P
 (compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

RN 13330-42-2 USPATFULL

CN 1,2-Benzenedicarboxylic acid, bis(2-phenylethyl) ester (9CI) (CA INDEX NAME)



IT 94-47-3P, 2-Phenylethyl benzoate 203587-50-2P

500286-29-3P

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

IT 13330-42-2P

(compns. containing phenethyl aryl esters as solubilizing agents for cosmetics and drugs and agricultural chems. and industrial paints)

L39 ANSWER 4 OF 11 USPATFULL on STN

AN 2006:3418 USPATFULL

TI Solubilization of triazine UV-screening agents with arylalkyl benzoate compounds/amide-based oils and photoprotective compositions comprised thereof

IN Candau, Didier, Bievres, FRANCE
Fiandino, Cecile, Paris, FRANCE

PA L'OREAL, PARIS, FRANCE (non-U.S. corporation)

PI US2006002872 A1 20060105

AI 2005US-0172885 A1 20050705 (11)

PRAI 2004FR-0051421 20040702
2004US-589007P 20040720 (60)

DT Utility

FS APPLICATION

LREP BUCHANAN INGERSOLL PC, (INCLUDING BURNS, DOANE, SWECKER & MATHIS), POST OFFICE BOX 1404, ALEXANDRIA, VA, 22313-1404, US

CLMN Number of Claims: 31

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1143

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Topically applicable photoprotective compositions having improved sun protection factor, cosmetic properties and/or stability contain: (a) at least one 1,3,5-triazine UV-screening agent, (b) at least one mixture including: (i) at least one arylalkyl benzoate compound, and (ii) at least one oil containing in its structure at least one amide unit.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

INCL INCLM: 424/059.000

NCL NCLM: 424/059.000

IC IPCI A61K0008-49 [I,A]

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2006 ACS on STN

	PATENT	KIND	DATE
OS	CA 144:113882 * US 20060002872	A1	20060105
* CA Indexing for this record included			
CC	62-4 (Essential Oils and Cosmetics)		
ST	triazine sunscreen solubilization arylalkyl benzoate amide oil		
IT	Polysiloxanes, biological studies (di-Me, 3-[4-[3-ethoxy-2-(ethoxycarbonyl)-3-oxo-1-propenyl]phenoxy]-1-propenyl Me; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns.		

comprising them)

IT Cosmetics

Solubilization

Solubilizers

Sunscreens

Suntanning agents

(solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 230309-38-3, Isopropyl N-lauroylsarcosinate

(Eldew SL 205; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 187393-00-6

(Tinosorb S; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 88122-99-0, Ethylhexyl triazole

(Uvinul T 150; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 94-47-3, 2-Phenylethyl benzoate

(X-Tend 226; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 118-56-9, Homosalate 118-60-5, 2-Ethylhexyl salicylate 131-57-7, Benzophenone-3 1314-13-2, Zinc oxide, biological studies 1314-23-4, Zirconium oxide, biological studies 1317-70-0, Anatase 1317-80-2, Rutile 1332-37-2, Iron oxide, biological studies 4065-45-6, Benzophenone-4 5466-77-3, Ethylhexyl p-methoxycinnamate 6197-30-4, Octocrylene 6628-37-1, Benzophenone-5 11129-18-3, Cerium oxide 13463-67-7, Titanium oxide, biological studies 27503-81-7, Phenylbenzimidazolesulfonic acid 36861-47-9, 4-Methylbenzylidene camphor 37755-25-2 92761-26-7 103597-45-1 108528-58-1, Butylmethoxydibenzoylmethane 155633-54-8, Drometrizole trisiloxane 180898-37-7, Disodium phenyldibenzimidazolesulfonate 302776-68-7, n-Hexyl-2-(4-diethylamino-2-hydroxybenzoyl)benzoate

(solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 65-85-0D, Benzoic acid, arylalkyl derivs. 26545-51-7, N,N-Diethyltoluamide 52304-36-6

(solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 145833-82-5 145833-83-6 145941-62-4 145941-63-5 145941-64-6

145941-65-7 145941-66-8 145941-67-9 150771-68-9 150771-71-4

154702-15-5 194731-15-2 194731-16-3 194731-17-4 194731-18-5

288254-16-0, 2,4-Bis[5-1-(dimethylpropyl)benzoxazol-2-yl-(4-phenyl)imino]-6-(2-ethylhexyl)imino-1,3,5-triazine 872525-08-1

(solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 290-87-9D, 1,3,5-Triazine, derivs.

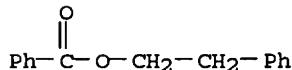
(solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

IT 94-47-3, 2-Phenylethyl benzoate

(X-Tend 226; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

RN 94-47-3 USPATFULL

CN Benzoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)



IT 94-47-3, 2-Phenylethyl benzoate

(X-Tend 226; solubilization of triazine UV-screening agents with arylalkyl benzoate compds./amide-based oils and photoprotective compns. comprising them)

L39 ANSWER 6 OF 11 USPATFULL on STN
 AN 2005:68534 USPATFULL
 TI Baby Care Skin Protectant Compositions for Diaper Rash
 IN Gupta, Shyam K, BIODERM RESEARCH, 5221 E. Windrose Drive, Scottsdale, AZ, UNITED STATES 85254
 PA BIODERM RESEARCH, Scottsdale, AZ, UNITED STATES (U.S. corporation)
 PI US2005058672 A1 20050317
 AI 2003US-0605191 A1 20030914 (10)
 DT Utility
 FS APPLICATION
 LREP SHYAM K. GUPTA, BIODERM RESEARCH, 5221 E. WINDROSE DRIVE, SCOTTSDALE, AZ, 85254
 CLMN Number of Claims: 13
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 1199

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a comprehensive solution to skin problems of infants and incontinent adults related to diaper rash, also known as diaper dermatitis. This is based on certain novel divalent metal and quaternary ammonium complexes (ion-pairs) of zeolites (that are made by an in-situ process), which in synergistic combination with certain other compositions, provide a comprehensive treatment for diaper rash that encompasses the following aspects: (1) deactivation of lipase and protease enzymes on skin surface, (2) the controlled-release delivery of skin protectant compositions, such as divalent metal zinc cation, (3) trapping of acidic and alkaline chemicals deposited on skin from body exudates and enzyme activity, (4) controlled-release delivery of anti-inflammatory agents, and COX and LOX enzyme inhibitors, (5) controlled-release delivery of antibacterial and antifungal compositions, and (6) absorption of excess moisture in the diaper zone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

INCL INCLM: 424/401.000
 INCLS: 424/684.000
 NCL NCLM: 424/401.000
 NCLS: 424/684.000
 IC [7]
 ICM A61K-0007/00
 ICS A61K-0033/06
 IPCI A61K0007-00 [ICM,7]; A61K0033-06 [ICS,7]
 IPCR A61K0033-30 [I,A]; A61K0033-30 [I,C*]; A61K0045-00 [I,C*];
 A61K0045-06 [I,A]; A61Q0017-00 [I,A]; A61Q0017-00 [I,C*];
 A61Q0019-00 [I,A]; A61Q0019-00 [I,C*]

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2006 ACS on STN

	PATENT	KIND	DATE
OS	CA 142:322334 * US 20050058672	A1	20050317
* CA	Indexing for this record included		
CC	62-4 (Essential Oils and Cosmetics) Section cross-reference(s): 63		
ST	zeolite metal ion pair exchange soln diaper rash; quaternary ammonium complex zeolite soln diaper rash		
IT	Zeolite 3A (Atofina NK 30np; skin care compns. containing zeolites for prevention/treatment of diaper rash)		
IT	Zeolites (synthetic), biological studies (Benzalkonium; skin care compns. containing zeolites for prevention/treatment of diaper rash)		
IT	Zeolites (synthetic), biological studies		

- (Ca; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Zeolites (synthetic), biological studies
 - (Cinnamidopropyltrimonium; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Zeolites (synthetic), biological studies
 - (Cu; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Zeolites (synthetic), biological studies
 - (Mg; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Zeolites (synthetic), biological studies
 - (Mn; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Zeolites (synthetic), biological studies
 - (Silicone quaternium; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Zeolites (synthetic), biological studies
 - (Zn; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Quaternary ammonium compounds, biological studies
 - (alkylbenzyldimethyl, chlorides, reaction products with zeolite; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Quaternary ammonium compounds, reactions
 - (alkylbenzyldimethyl, chlorides; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Fats and Glyceridic oils, biological studies
 - (almond; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Fats and Glyceridic oils, biological studies
 - (avocado; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Cosmetics
 - (baby wash; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Cosmetics
 - (balms; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Soaps
 - (bars; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Spheres
 - (beads; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Zeolites (synthetic), biological studies
 - (behentrimonium; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Collagens, biological studies
 - Elastins
 - (boosters; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Oryza sativa
 - (bran, husk; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Fibers
 - (cellulosic, paper; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Cosmetics
 - (cleansing, foaming; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Fatty acids, biological studies
 - (coco, 2-sulfoethyl esters, sodium salts; skin care compns. containing zeolites for prevention/treatment of diaper rash)
- IT Drug delivery systems
 - (colloids; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
Hair preparations
(conditioners; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Drug delivery systems
(controlled-release; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Cosmetics
(creams; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Dermatitis
(diaper; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Zeolites (synthetic), biological studies
(dicetyltrimonium; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Proteins
(egg; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Cosmetics
(emollients; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Drug delivery systems
(emulsions; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Aesculus
Ammi visnaga
Boswellia serrata
Embllica
Melilotus officinalis
Phyllanthus emblica
Tea products
(extract; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Embryophyta
(exts.; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Cosmetics
(face packs; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Fibers
(fenugreek; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Glycine max
Oryza sativa
(flour and meal; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Avena sativa
(flour; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Cosmetics
(gels; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Spirulina
(granulated; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Fats and Glyceridic oils, biological studies
(grape seed; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Tea products
(green, extract of, green tea extract; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Plantago psyllium
(husk; skin care compns. containing zeolites for prevention/treatment of diaper rash)
IT Soybean oil

(hydrogenated; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Prosthetic materials and Prosthetics
(implants, skin surface; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Aloe barbadensis
(in oil; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Vitis vinifera
(leaf and seed exts.; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(lip balms; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Soaps
(liquid; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(lotions; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Fats and Glyceridic oils, biological studies
(mango kernel; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Circulation
(microcirculation, agents for improvement of; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Drug delivery systems
(microemulsions; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Proteins
(milk; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(moisturizers; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Drug delivery systems
(nanoparticles, emulsions and suspensions; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Flours and Meals
(oat; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Proteins
(oat; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Absorption
(of excess moisture; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Bath preparations
(oils; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Drug delivery systems
(ointments, creams; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Drug delivery systems
(ointments; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Resins
(oleoresins, capsicum; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Luffa
(particles; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
Drug delivery systems
(pastes; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Phenols, biological studies
(polyphenols, nonpolymeric; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Egg, poultry
Milk
(powdered; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(powders; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zeolites (synthetic), biological studies
(quaternary ammonium cation; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Skin, disease
(rash, diaper; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Quaternary ammonium compounds, biological studies
(reaction products with zeolite; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Bran
(rice, husk; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Flours and Meals
(rice; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Zingiber officinale
(root extract; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Cosmetics
(serums; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Fats and Glyceridic oils, biological studies
(sesame; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Fats and Glyceridic oils, biological studies
(shea butter; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Absorbents
Analgesics
Anesthetics
Anti-inflammatory agents
Antibacterial agents
Antimicrobial agents
Beeswax
Coloring materials
Cotton fibers
Disposable diapers
Fungicides
Gossypium hirsutum
Gums and Mucilages
Humectants
Ion exchangers
Ion pairs
Perfumes
Permeation enhancers
Preservatives
Seed
Shampoos
Silk
Solubilizers
Sunscreens
Surfactants
Wheat flour
(skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Aluminosilicates, biological studies

Carbohydrates, biological studies
 Caseins, biological studies
 Castor oil
 Clays, biological studies
 Cocoa butter
 Cod liver oil
 Gelatins, biological studies
 Hormones, animal, biological studies
 Hydrocarbon oils
 Kaolin, biological studies
 Lanolin
 Mica-group minerals, biological studies
 Mineral elements, biological studies
 Petrolatum
 Polyoxyalkylenes, biological studies
 Silica gel, biological studies
 Smectite-group minerals
 Titanosilicate zeolites
 Vitamins
 Zeolite 3A
 Zeolites (synthetic), biological studies
 (skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Zeolite 4A
 (skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Drug delivery systems
 (solns.; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Fibers
 (soya; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Flours and Meals
 (soybean; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Proteins
 (soybean; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Bath preparations
 (splashes; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Cosmetics
 (sprays; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Zeolites (synthetic), biological studies
 (stearalkonium; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Cosmetics
 (sticks; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Drug delivery systems
 (suspensions; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Drug delivery systems
 (topical; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Acids, biological studies
 Bases, biological studies
 (trapping of, on skin surface; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Polymers, biological studies
 (water absorbents; skin care compns. containing zeolites for prevention/treatment of diaper rash)
 IT Polysiloxanes, biological studies
 (wax; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT Proteins
 (wheat; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT 9003-01-4D, crosslinked
 (Carbomer; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT 9002-88-4, Polyethylene
 (balls; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT 7631-86-9, Fumed silica, biological studies
 (colloidal; skin care compns. containing zeolites for prevention/treatment of diaper rash)

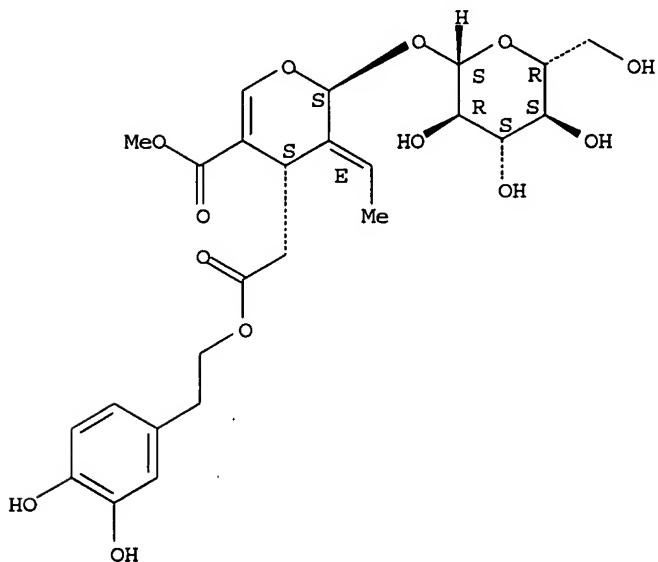
IT 9001-62-1, Lipase
 (deactivation of, on skin surface; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT 9029-60-1, Lipoxygenase 39391-18-9, Cyclooxygenase
 (inhibitors; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT 9001-92-7, Proteinase
 (protease, deactivation of, on skin surface; skin care compns. containing zeolites for prevention/treatment of diaper rash)

IT 50-81-7, Ascorbic acid, biological studies 50-81-7D, Ascorbic acid, salts 56-81-5, Glycerin, biological studies 57-11-4, Stearic acid, biological studies 57-55-6, Propylene glycol, biological studies 58-95-7, Vitamin E acetate 59-67-6, Niacin, biological studies 59-67-6D, Niacin, esters 70-18-8, Glutathione, biological studies 77-52-1, Ursolic acid 79-81-2, Vitamin A palmitate 93-60-7, Methyl nicotinate 94-13-3, Propylparaben 94-44-0, Benzyl nicotinate 94-62-2, Piperine 97-59-6, Allantoin 98-92-0, Niacinamide 99-76-3, Methylparaben 102-71-6, Triethanolamine, biological studies 112-03-8D, Quaternium-10, zeolite 117-39-5, Quercetin 122-99-6, Phenoxyethanol 127-40-2, Lutein 146-48-5, Yohimbine 153-18-4, Rutin 305-84-0, Carnosine 327-97-9, Chlorogenic acid 404-86-4, Capsaicin 471-53-4, Glycyrhetic acid 472-11-7, Ruscogenin 472-61-7, Astaxanthin 476-66-4, Ellagic acid 477-32-7, Visnadine 491-70-3, Luteolin 501-36-0, Resveratrol 502-65-8, Lycopene 512-04-9, Diosgenin 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 528-58-5, Cyanidin 531-75-9, Esculoside 548-04-9, Hypericin 602-41-5, Thiocolchicoside 1200-22-2, α -Lipoic acid 1314-13-2, Zinc oxide, biological studies 1344-28-1, Alumina, biological studies 1406-18-4, Vitamin E 1847-58-1, Sodium lauryl sulfoacetate 4773-96-0, Mangiferin 5508-58-7, Andrographolide 6147-11-1, Mangostin 6805-41-0, Escin 6829-55-6, Tocotrienol 6899-10-1D, Cetrimonium, zeolite 7487-88-9, Magnesium sulfate, biological studies 7778-18-9, Calcium sulfate 8011-96-9, Calamine 9000-01-5, Gum arabic 9000-07-1, Carrageenan 9000-40-2, Locust bean gum 9000-69-5, Pectin 9002-18-0, Agar 9004-34-6, Cellulose, biological studies 9005-25-8, Starch, biological studies 9005-32-7D, Alginic acid, salts 9005-38-3, Algin 9005-80-5, Inulin 9005-80-5D, Inulin, esters 9006-65-9, Dimethicone 9012-76-4, Chitosan 10043-52-4, Calcium chloride, biological studies 11099-07-3, GMS-SE 11138-66-2, Xanthan gum 11138-66-2D, Xanthan, dehydro derivs. 12001-79-5, Vitamin K 13463-67-7, Titanium dioxide, biological studies 14492-68-3D, Quaternium-7, zeolite 14807-96-6, Talc, biological studies 16830-15-2, Asiaticoside 20283-92-5, Rosmarinic acid 25322-68-3, Polyethylene glycol 26006-22-4D, Polyquaternium-5, zeolite 26062-79-3D, Polyquaternium-6, zeolite 26590-05-6D, Polyquaternium-7, zeolite 32619-42-4, Oleuropein 36062-04-1, Tetrahydrocurcumin 36653-82-4, Cetyl alcohol 53633-54-8D, Polyquaternium-11, zeolite 55306-04-2, Sericoside 59219-65-7, Darutoside 63451-27-4D, Polyquaternium-2, zeolite 66634-12-6, Niacinamide salicylate 71010-52-1, Gellan gum 75345-27-6D, Polyquaternium-1, zeolite 81859-24-7D, Polyquaternium-10, zeolite 92183-41-0D, Polyquaternium-4, zeolite 95144-24-4D, Polyquaternium-16, zeolite 95832-09-0, Liquapar 131611-06-8, Tinogard TT 150599-70-5D, Polyquaternium-44, zeolite 173833-36-8D, Quaternium 82, zeolite 174761-16-1D, Polyquaternium-46,

zeolite 174882-69-0, Pycnogenol 205537-77-5 322645-84-1, Polawax
 697291-65-9, Phytosan 714950-07-9, Aloe Butter 719282-79-8D,
 Polyquaternium 59, zeolite 801297-48-3D, Quaternium 79, zeolite
 848084-68-4, Stimutex
 (skin care compns. containing zeolites for prevention/treatment of diaper
 rash)
 IT 557-34-6, Zinc acetate 7646-85-7, Zinc chloride, reactions
 (skin care compns. containing zeolites for prevention/treatment of diaper
 rash)
 IT 32619-42-4, Oleuropein
 (skin care compns. containing zeolites for prevention/treatment of diaper
 rash)
 RN 32619-42-4 USPATFULL
 CN 2H-Pyran-4-acetic acid, 3-ethylidene-2- (β-D-glucopyranosyloxy)-3,4-
 dihydro-5-(methoxycarbonyl)-, 2-(3,4-dihydroxyphenyl)ethyl ester,
 (2S,3E,4S)- (9CI) (CA INDEX NAME)
 Absolute stereochemistry. Rotation (-).
 Double bond geometry as shown.



IT 32619-42-4, Oleuropein
(skin care compns. containing zeolites for prevention/treatment of diaper rash)

L39 ANSWER 9 OF 11 USPATFULL on STN
AN 2004:267365 USPATFULL
TI Controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compositions
IN Gupta, Shyam K., Scottsdale, AZ, UNITED STATES
PI US2004208902 A1 20041021
AI 2003US-0418495 A1 20030418 (10)
DT Utility
FS APPLICATION
LREP SHYAM K. GUPTA, BIODERM RESEARCH, 5221 E. WINDROSE DRIVE, SCOTTSDALE, AZ, 85254
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 806
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention discloses the utilization of zeolites for controlled-release of cosmetic and pharmaceutical compositions by nano-diffusion technology. The treatment and protection of skin surface requires that certain compositions be delivered to the skin surface and allowed to remain on the skin surface for as long as possible before such ingredients are absorbed into deeper layers of skin and carried into the bloodstream. Zeolites do not absorb into the skin, which is useful for topical delivery of cosmetic and pharmaceutical compositions, for example antiaging, anti-wrinkle, antioxidants, skin whitening, acne treatment, rosacea treatment, sun screens, UV blocks, anesthetics, skin soothers, anti-irritants, anti-inflammatory agents, vitamins, hormones, and such that are electronically attached to the outer surfaces of such zeolites and are released to the outer surface of skin by a diffusion-controlled thermodynamic process.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

INCL INCLM: 424/401.000

INCLS: 514/423.000

NCL NCLM: 424/401.000

NCLS: 514/423.000

IC [7]

ICM A61K-0031/401

ICS A61K-0007/00

IPCI A61K0031-401 [ICM,7]; A61K0007-00 [ICS,7]

IPCR A61K0008-02 [I,A]; A61K0008-02 [I,C*]; A61K0008-19 [I,C*]; A61K0008-26 [I,A]; A61K0008-30 [I,C*]; A61K0008-365 [I,A]; A61K0008-368 [I,A]; A61K0008-67 [I,A]; A61K0008-92 [I,A]; A61K0008-92 [I,C*]; A61K0008-96 [I,C*]; A61K0008-97 [I,A]; A61K0033-00 [I,A]; A61K0033-00 [I,C*]; A61Q0005-02 [I,A]; A61Q0005-02 [I,C*]; A61Q0005-12 [I,A]; A61Q0005-12 [I,C*]; A61Q0017-00 [I,A]; A61Q0017-00 [I,C*]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*]; A61Q0019-00 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-02 [I,A]; A61Q0019-02 [I,C*]; A61Q0019-06 [I,A]; A61Q0019-06 [I,C*]; A61Q0019-10 [I,A]; A61Q0019-10 [I,C*]

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2006 ACS on STN

	PATENT	KIND	DATE
OS	CA 141:370229 * US 20040208902	A1	20041021
	CA 145:69372 US 20060127430	A1	20060615
* CA	Indexing for this record included		
CC	62-4 (Essential Oils and Cosmetics)		
	Section cross-reference(s): 63		
ST	controlled release diffusion delivery system cosmetic pharmaceutical		
IT	Skin, disease (aging; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)		
IT	Surfactants (amphoteric; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)		
IT	Surfactants (anionic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)		
IT	DNA (ascorbate salts; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)		
IT	Pinus (bark extract; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)		
IT	Soaps (bars; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)		
IT	Drug delivery systems (beads; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)		

IT Surfactants
 (cationic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Skin
 (cellulite; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
 (cleansing; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Lipoproteins
 (complexes; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Hair preparations
 (conditioners; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Acne

Analgesics

Anesthetics

Anti-inflammatory agents

Antimicrobial agents

Antioxidants

Colloids

Colognes

Cordia schomburgkii

Dyes

Fungicides

Gouania blanchetiana

Hibiscus furcellatus

Humectants

Olea europaea

Perfumes

Permeation enhancers

Preservatives

Randia armata

Shampoos

Solubilizers

Sunscreens

UV A radiation

UV B radiation
 (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Aluminosilicates, biological studies

Carotenes, biological studies

Clays, biological studies

Cocoa butter

Collagens, biological studies

Hormones, animal, biological studies

Kaolin, biological studies

Mica-group minerals, biological studies

Minerals, biological studies

Petrolatum

Quaternary ammonium compounds, biological studies

Vitamins

Zeolites (synthetic), biological studies
 (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Polysiloxanes, biological studies
 (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Drug delivery systems
 (controlled-release; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
 (creams; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics

Drug delivery systems
 (emollients; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
 Drug delivery systems
 (emulsions; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT *Andrographis paniculata*
Arnica montana
Calendula officinalis
Centella asiatica
Citrus sinensis
Coleus forskohlii
Curcuma longa
Filipendula ulmaria
Garcinia
Garcinia cambogia
Garcinia mangostana
Haematococcus
Hedera
Hedera helix
Hypericum perforatum
Leukocyte
Lycopersicon esculentum
Mangifera indica
Orthosiphon stamineus
Panax pseudoginseng
Phaseolus vulgaris
Polygonum cuspidatum
Punica granatum
Rosmarinus officinalis
Ruscus aculeatus
Salvia officinalis
Tagetes patula
Trigonella foenum-graecum
Vaccinium myrtillus
 (extract, controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT *Ammi visnaga*
Arctostaphylos uva-ursi
Aspergillus oryzae
Boswellia serrata
Broussonetia kazinoki
Camellia sinensis
Corynanthe johimbe
Ecklonia cava
Embllica
Glycyrrhiza glabra
Kaempferia galanga
Maprounea guianensis
Melilotus officinalis
Mitracerpus scaber
Phyllanthus emblica
Potentilla erecta
Rumex crispus
Rumex occidentalis
Siegesbeckia orientalis
Spondias mombin
Terminalia sericea
Vitis vinifera
Zingiber officinale
 (extract; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT *Waltheria indica*
 (exts.; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
(face packs; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
Drug delivery systems
(gels; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Plantago psyllium
(husk; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Carboxylic acids, biological studies
(hydroxy; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
(lipsticks; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Soaps
(liquid; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
Drug delivery systems
(lotions; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Circulation
(microcirculation, blood; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Drug delivery systems
(microemulsions; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
(moisturizers; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Drug delivery systems
(nanoparticles; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Surfactants
(nonionic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Bath preparations
(oils; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Drug delivery systems
(ointments, creams; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Sulfonic acids, biological studies
(poly; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Carboxylic acids, biological studies
(polycarboxylic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Phenols, biological studies
(polyphenols, nonpolymeric; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Adipose tissue
(reduction; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Skin, disease
(rosacea; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cola (plant)
(seed extract; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
(skin-lightening; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Drug delivery systems

(sprays; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
(sticks; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Drug delivery systems
(suspensions; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Elastins
(synthesis stimulants; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Vein, disease
(varicose; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Cosmetics
(wrinkle-preventing; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT Surfactants
(zwitterionic; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT 9002-88-4, Polyethylene
(balls; controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT 9004-70-0, Collodion
(controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies 50-81-7D, Ascorbic acid, derivs. 51-67-2, Tyramine 53-41-8, Androsterone 53-43-0, DHEA 53-86-1, Indomethacin 56-65-5, Adenosine triphosphate, biological studies 56-81-5, Glycerin, biological studies 57-00-1, Creatine 57-13-6, Urea, biological studies 57-83-0, Progesterone, biological studies 58-08-2, Caffeine, biological studies 58-22-0, Testosterone 58-55-9, Theophylline, biological studies 58-61-7, Adenosine, biological studies 58-63-9, Inosine 58-64-0, Adenosine diphosphate, biological studies 58-85-5, Biotin 59-30-3, Folic Acid, biological studies 63-05-8, Androstenedione 69-72-7, Salicylic acid, biological studies 70-18-8, Glutathione, biological studies 73-31-4, Melatonin 77-52-1, Ursolic acid 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 83-67-0, Theobromine 83-72-7, Lawsone 90-64-2, Mandelic acid 94-62-2, Piperine 97-59-6, Allantoin 98-92-0, Niacinamide 98-98-6D, Picolinic acid, chromium complexes 100-51-6, Benzyl Alcohol, biological studies 101-20-2, Triclocarban 104-14-3, Octopamine 104-28-9, Cinoxate 117-39-5, Quercetin 118-56-9, Homosalate 118-60-5, 2-Ethylhexyl salicylate 122-99-6, Phenoxyethanol 123-31-9, Hydroquinone, biological studies 123-31-9D, Hydroquinone, derivs. 127-17-3, Pyruvic acid, biological studies 127-17-3D, salts 127-40-2, Lutein 131-57-7, Benzophenone-3 134-09-8, Menthyl anthranilate 145-13-1, Pregnenolone 147-81-9, Arabinose 150-13-0, PABA 153-18-4, Rutin 302-79-4, Retinoic acid 305-84-0, Carnosine 317-34-0, Aminophylline) 327-97-9, Chlorogenic acid 370-98-9, N-Methyltyramine 471-53-4, Glycyrrhetic acid 476-66-4, Ellagic acid 477-32-7, Visnadine 488-69-7, Fructose-1,6-diphosphate 491-67-8, Baicalein 491-70-3, Luteolin 497-76-7, Arbutin 501-36-0, Resveratrol 502-65-8, Lycopene 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 520-45-6, Dehydroacetic Acid 528-58-5, Cyanidin 539-15-1, Hordenine 541-15-1, L-Carnitine 557-34-6, Zinc acetate 602-41-5, Thiocolchicoside 1200-22-2, α -Lipoic acid 1314-13-2, Zinc oxide, biological studies 1399-64-0, Gymnemic acid 1406-16-2, Vitamin D 1406-18-4, Vitamin E 1987-71-9, Nicotinamide ascorbate 2086-83-1, Berberine 2174-16-5, Trolamine salicylate 2420-56-6 2540-56-9, 9-cis-11-trans-Linoleic acid 3380-34-5, Triclosan 3486-35-9, Zinc carbonate 4065-45-6, Benzophenone-4 4773-96-0, Mangiferin 5466-77-3, 2-Ethylhexyl p-methoxycinnamate 5508-58-7, Andrographolide (6147-11-1, Mangostin 6197-30-4, Octocrylene 6829-55-6, Tocotrienol 6915-15-7, Malic acid 7439-96-5,

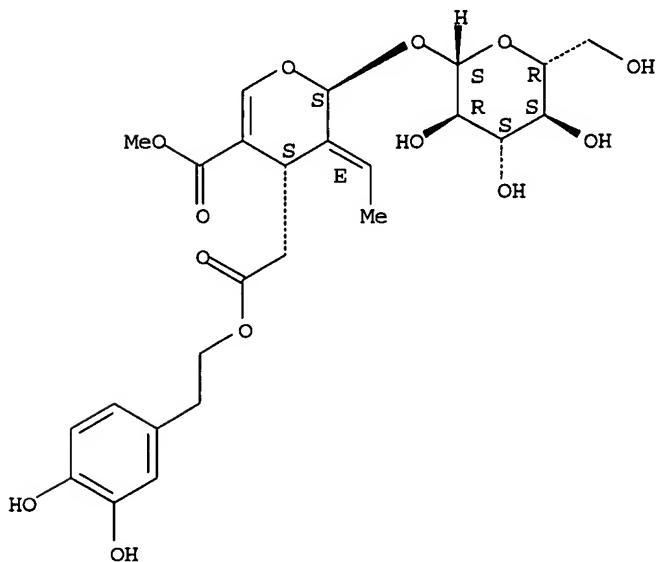
Manganese, biological studies 7440-47-3D, Chromium, picolinate complexes 7440-50-8, Copper, biological studies 7440-66-6, Zinc, biological studies 7631-86-9, Silica, biological studies 8011-96-9, Calamine 9002-72-6, Somatotropin 9004-61-9, Hyaluronic acid 9006-65-9, Dimethicone 9012-76-4, Chitosan 9088-07-7, Natriuretic peptide 10216-17-8, Hydroxytetronic acid 11103-57-4, Vitamin A 12001-76-2, Vitamin B 12001-79-5, Vitamin K 13106-41-7 13463-18-8, Glutathione ascorbate 16589-24-5, Synephrine 16830-15-2, Asiaticoside 17463-61-5 17941-34-3, Aleuritic acid 20283-92-5, Rosmarinic acid 27750-10-3, Hydroxycitric acid 32619-42-4, Oleuropein 36062-04-1, Tetrahydrocurcumin 55306-04-2, Sericoside 56996-83-9, Phaseolamin 57448-83-6 59219-65-7, Darutoside 70356-09-1, Avobenzone 94231-35-3 120718-57-2 121250-47-3, Conjugated linoleic acid 125913-31-7, Ascorbyl phosphate 135322-32-6, Chitosan ascorbate 174882-69-0, Pycnogenol 211504-83-5 439666-13-4 676608-06-3 676608-07-4, Chondroitin ascorbate 676608-08-5, Carnosine ascorbate 683226-75-7 697291-65-9, Phytosan 728945-82-2, Azaftig (controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

IT 32619-42-4, Oleuropein
(controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

RN 32619-42-4 USPATFULL

CN 2H-Pyran-4-acetic acid, 3-ethylidene-2-(β -D-glucopyranosyloxy)-3,4-dihydro-5-(methoxycarbonyl)-, 2-(3,4-dihydroxyphenyl)ethyl ester, (2S,3E,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.



IT 32619-42-4, Oleuropein
(controlled-release nano-diffusion delivery systems for cosmetic and pharmaceutical compns.)

L39 ANSWER 10 OF 11 USPATFULL on STN

AN 2004:209003 USPATFULL

TI Skin Firming Anti-Aging Cosmetic Mask Compositions

IN GUPTA, SHYAM K., SCOTTSDALE, AZ, UNITED STATES

PI US2004161435 A1 20040819

AI 2003US-0248753 A1 20030214 (10)

DT Utility
 FS APPLICATION
 LREP SHYAM K. GUPTA, BIODERM RESEARCH, 5221 E. WINDROSE DRIVE, SCOTTSDALE,
 AZ, 85254
 CLMN Number of Claims: 20
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 1180

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB I have discovered cosmetic mask compositions suitable for face, neck, chin or body applications. These compositions synergistically combine at least one skin beneficial cosmetic or drug composition with at least one composition to promote excess fat reduction, cellulite control, or muscle toning benefits. The mask composition also contains at least one binder composition that binds with other beneficial ingredients by electrostatic, atomic, or ionic charges to synergistically enhance their topical site-specific benefits. These mask compositions are suitable for a variety of delivery system methods that include peel-off mask, leave-in mask, moisturizing mask, exfoliating mask, prosthetic mask, soaking mask, depilatory mask, foaming mask, rinse-off mask, sloughing mask, rub-off mask, two-phase mask, dual-chamber mask, and self-heating (heat releasing) mask.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

INCL INCLM: 424/401.000
 INCLS: 424/074.000; 424/725.000; 424/059.000
 NCL NCLM: 424/401.000
 NCLS: 424/059.000; 424/074.000; 424/725.000
 IC [7]
 ICM A61K-0007/42
 ICS A61K-0007/06; A61K-0007/00; A61K-0035/78
 IPCI A61K0007-42 [ICM,7]; A61K0007-06 [ICS,7]; A61K0007-00 [ICS,7];
 A61K0035-78 [ICS,7]
 IPCR A61K0008-02 [I,A]; A61K0008-02 [I,C*]; A61K0008-96 [I,C*];
 A61K0008-97 [I,A]; A61Q0017-04 [I,A]; A61Q0017-04 [I,C*];
 A61Q0019-08 [I,A]; A61Q0019-08 [I,C*]

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2006 ACS on STN

	PATENT	KIND	DATE
OS	CA 141:194959 * US 20040161435 A1		20040819
* CA Indexing for this record included			
CC	62-4 (Essential Oils and Cosmetics)		
	Section cross-reference(s): 63		
ST	skin firming antiaging cosmetic		
IT	Skin, disease (aging; skin firming anti-aging cosmetic compns.)		
IT	Surfactants (amphoteric; skin firming anti-aging cosmetic compns.)		
IT	Surfactants (anionic; skin firming anti-aging cosmetic compns.)		
IT	Cosmetics (antiaging; skin firming anti-aging cosmetic compns.)		
IT	Cosmetics (balms; skin firming anti-aging cosmetic compns.)		
IT	Pinus (bark exts.; skin firming anti-aging cosmetic compns.)		
IT	Soaps (bars; skin firming anti-aging cosmetic compns.)		
IT	Oryza sativa (bran, husk; skin firming anti-aging cosmetic compns.)		
IT	Surfactants (cationic; skin firming anti-aging cosmetic compns.)		
IT	Skin (cellulite; skin firming anti-aging cosmetic compns.)		

IT Cosmetics
 (cleansing; skin firming anti-aging cosmetic compns.)
 IT Lipoproteins
 (complexes; skin firming anti-aging cosmetic compns.)
 IT Hair preparations
 (conditioners; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (creams; skin firming anti-aging cosmetic compns.)
 IT Infection
 (cutaneous; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (depilatories; skin firming anti-aging cosmetic compns.)
 IT Cyclosiloxanes
 (di-Me; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 Drug delivery systems
 (emollients; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 Drug delivery systems
 (emulsions; skin firming anti-aging cosmetic compns.)
 IT Aesculus
 Ammi visnaga
 Andrographis paniculata
 Arnica montana
 Boswellia serrata
 Calendula officinalis
 Capsicum
 Centella asiatica
 Chamomile
 Citrus sinensis
 Cola (plant)
 Coleus forskohlii
 Curcuma longa
 Emblica
 Embryophyta
 Filipendula ulmaria
 Garcinia cambogia
 Garcinia mangostana
 Gymnema sylvestre
 Haematococcus
 Hedera helix
 Hibiscus sabdariffa
 Hypericum perforatum
 Laminaria
 Lycopersicon esculentum
 Mangifera indica
 Melilotus officinalis
 Olea europaea
 Orthosiphon stamineus
 Panax
 Panax pseudoginseng
 Phaseolus vulgaris
 Phyllanthus emblica
 Polygonum cuspidatum
 Potentilla erecta
 Punica granatum
 Rosmarinus officinalis
 Ruscus aculeatus
 Salvia officinalis
 Siegesbeckia orientalis
 Tagetes patula
 Tephrosia
 Terminalia sericea
 Vaccinium myrtillus
 Vitis vinifera
 Zingiber officinale

(exts.; skin firming anti-aging cosmetic compns.)
IT Medical goods
(face masks; skin firming anti-aging cosmetic compns.)
IT Cosmetics
(face packs; skin firming anti-aging cosmetic compns.)
IT Trigonella foenum-graecum
(fibers; skin firming anti-aging cosmetic compns.)
IT Glycine max
(flour and meal; skin firming anti-aging cosmetic compns.)
IT Avena sativa
(flour; skin firming anti-aging cosmetic compns.)
IT Cosmetics
(gels; skin firming anti-aging cosmetic compns.)
IT Tea products
(green, exts.; skin firming anti-aging cosmetic compns.)
IT Carboxylic acids, biological studies
(hydroxy; skin firming anti-aging cosmetic compns.)
IT Skin, disease
(infection; skin firming anti-aging cosmetic compns.)
IT Soaps
(liquid; skin firming anti-aging cosmetic compns.)
IT Cosmetics
(lotions; skin firming anti-aging cosmetic compns.)
IT Cosmetics
Drug delivery systems
(microemulsions; skin firming anti-aging cosmetic compns.)
IT Proteins
(milk; skin firming anti-aging cosmetic compns.)
IT Cosmetics
(moisturizers; skin firming anti-aging cosmetic compns.)
IT Drug delivery systems
(nanoparticles; skin firming anti-aging cosmetic compns.)
IT Surfactants
(nonionic; skin firming anti-aging cosmetic compns.)
IT Flours and Meals
(oat; skin firming anti-aging cosmetic compns.)
IT Bath preparations
(oils; skin firming anti-aging cosmetic compns.)
IT Phenols, biological studies
(polyphenols, nonpolymeric; skin firming anti-aging cosmetic compns.)
IT Egg
(powders; skin firming anti-aging cosmetic compns.)
IT Triticum aestivum
(proteins of; skin firming anti-aging cosmetic compns.)
IT Bran
(rice, husk; skin firming anti-aging cosmetic compns.)
IT Skin, disease
(rosacea; skin firming anti-aging cosmetic compns.)
IT Acne
Analgesics
Anesthetics
Anti-inflammatory agents
Antimicrobial agents
Antioxidants
Avena sativa
Circulation
Colloids
Colognes
Cotton fibers
Dyes
Fungicides
Gums and Mucilages
Humectants
Inflammation
Kaempferia galanga
Milk

Pain
 Perfumes
 Permeation enhancers
 Photoprotectants
 Preservatives
 Prosthetic materials and Prosthetics
 Shampoos
 Silk
 Skin
 Solubilizers
 Sunscreens
 Surfactants
 Vasoconstrictors
 Vasodilators
 Wheat flour
 (skin firming anti-aging cosmetic compns.)
 IT Bentonite, biological studies
 Carbohydrates, biological studies
 Carotenes, biological studies
 Caseins, biological studies
 Clays, biological studies
 Cocoa butter
 Collagens, biological studies
 Elastins
 Hormones, animal, biological studies
 Kaolin, biological studies
 Mica-group minerals, biological studies
 Minerals, biological studies
 Petrolatum
 Polysiloxanes, biological studies
 Quaternary ammonium compounds, biological studies
 Tocopherols
 Vitamins
 Zeolites (synthetic), biological studies
 (skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (skin-lightening; skin firming anti-aging cosmetic compns.)
 IT Flours and Meals
 (soybean; skin firming anti-aging cosmetic compns.)
 IT Proteins
 (soybean; skin firming anti-aging cosmetic compns.)
 IT Cosmetics
 (sticks; skin firming anti-aging cosmetic compns.)
 IT Drug delivery systems
 (suspensions; skin firming anti-aging cosmetic compns.)
 IT Drug delivery systems
 (topical; skin firming anti-aging cosmetic compns.)
 IT Vein, disease
 (varicose; skin firming anti-aging cosmetic compns.)
 IT Vaccinium
 (vulgaris exts.; skin firming anti-aging cosmetic compns.)
 IT Surfactants
 (zwitterionic; skin firming anti-aging cosmetic compns.)
 IT 131-57-7, Benzophenone-3 4065-45-6, Benzophenone-4
 (exts.; skin firming anti-aging cosmetic compns.)
 IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid,
 biological studies 50-81-7D, Ascorbic acid, derivs. 51-67-2, Tyramine
 53-41-8, Androsterone 53-43-0, DHEA 53-86-1, Indomethacin 56-65-5,
 Adenosine triphosphate, biological studies 56-81-5, Glycerin,
 biological studies 57-00-1, Creatine 57-13-6, Urea, biological
 studies 57-83-0, Progesterone, biological studies 58-08-2, Caffeine,
 biological studies 58-22-0, Testosterone 58-55-9, Theophylline,
 biological studies 58-61-7, Adenosine, biological studies 58-63-9,
 Inosine 58-64-0, Adenosine diphosphate, biological studies 58-85-5,
 Biotin 58-95-7, Vitamin E acetate 59-30-3, Folic acid, biological
 studies 59-67-6, Niacin, biological studies 59-67-6D, Niacin, esters

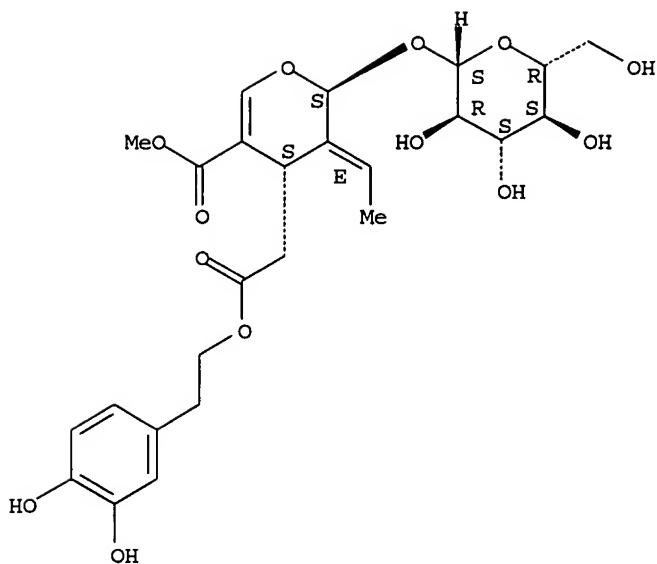
63-05-8, Androstenedione 68-26-8, Vitamin A 69-72-7, Salicylic acid, biological studies 70-18-8, Glutathione, biological studies 73-31-4, Melatonin 77-52-1, Ursolic acid 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 79-81-2, Vitamin A palmitate 83-67-0, Theobromine 83-72-7, Lawsone 90-64-2, Mandelic acid 93-60-7, Methyl nicotinate 94-44-0, Benzyl nicotinate 94-62-2, Piperine 97-59-6, Allantoin 98-98-6D, Picolinic acid, complex with chromium 100-51-6, Benzyl alcohol, biological studies 101-20-2, Triclocarban 104-14-3, Octopamine 104-28-9, Cinoxate 117-39-5, Quercetin 118-56-9, Homosalate 118-60-5, 2-Ethylhexyl salicylate 122-99-6, Phenoxyethanol 127-17-3, Pyruvic acid, biological studies 127-17-3D, Pyruvic acid, salts 127-40-2, Lutein 134-09-8, Menthyl anthranilate 145-13-1, Pregnenolone 146-48-5, Yohimbine 147-81-9, Arabinose 150-13-0, PABA 153-18-4, Rutin 305-84-0, Carnosine 317-34-0, Aminophylline 327-97-9, Chlorogenic acid 370-98-9, N-Methyltyramine 404-86-4, Capsaicin 471-53-4, Glycyrrhetic acid 472-61-7, Astaxanthin 476-66-4, Ellagic acid 488-69-7, Fructose-1,6-diphosphate 491-67-8, Baicalein 491-70-3, Luteolin 501-36-0, Resveratrol 502-65-8, Lycopene 512-04-9, Diosgenin 520-26-3, Hesperidin 520-27-4, Diosmin 520-36-5, Apigenin 520-45-6, Dehydroacetic acid 528-58-5, Cyanidin 531-75-9, Esculin 539-15-1, Hordenine 541-15-1, L-Carnitine 548-04-9, Hypericin 1200-22-2, α -Lipoic acid 1314-13-2, Zinc oxide (ZnO), biological studies 1344-28-1, Alumina, biological studies 1399-64-0, Gymnemic acid 1406-16-2, Vitamin D 1406-18-4, Vitamin E 1987-71-9 2086-83-1, Berberine 2174-16-5, Trolamine salicylate 2420-56-6, 10-trans,12-cis-Linoleic acid 2540-56-9, 9-cis,11-trans-Linoleic acid 3380-34-5, Triclosan 3486-35-9, Zinc carbonate 4773-96-0, Mangiferin 5508-58-7, Andrographolide 6147-11-1, Mangostin 6197-30-4, Octocrylene 6205-14-7, Hydroxycitric acid 6205-14-7D, Hydroxycitric acid, salts 6805-41-0, Escin 6829-55-6, Tocotrienol 6915-15-7, Malic acid 7440-47-3D, Chromium, complex with picolinic acid 7631-86-9, Silica, biological studies 8011-96-9, Calamine 8063-16-9, Psyllium 9000-01-5, Gum arabic 9000-07-1, Carrageenan 9000-40-2, Locust bean gum 9000-69-5, Pectin 9002-18-0, Agar 9002-72-6, Somatotropin 9002-88-4, Polyethylene 9004-34-6, Cellulose, biological studies 9004-34-6D, Cellulose, derivs. 9004-61-9, Hyaluronic acid 9005-25-8, Starch, biological studies 9005-25-8D, Starch, derivs. 9005-38-3, Algin 9005-80-5D, Inulin, hydrolyzed 9006-65-9, Dimethicone 9012-76-4, Chitosan 9016-00-6, Polydimethyl siloxane 9088-07-7, Natriuretic peptide 10216-17-8, Hydroxytetronic acid 11138-66-2, Xanthan gum 12001-76-2, Vitamin B 12001-79-5, Vitamin K 13106-41-7 13463-18-8, Glutathione ascorbate 13463-67-7, Titanium oxide, biological studies 16397-78-7, 2-Ethylhexyl cinnamate 16589-24-5, Synephrine 16830-15-2, Asiaticoside 17463-61-5 17941-34-3, Aleuritic acid 20283-92-5, Rosmarinic acid 29593-08-6 31692-79-2, Dimethiconol 31900-57-9, Polydimethyl siloxane 32619-42-4, Oleuropein 36062-04-1, Tetrahydrocurcumin 55306-04-2, Sericoside 56996-83-9, Phaseolamin 57448-83-6 59219-65-7, Darutoside 66575-29-9, Forskolin 70356-09-1, Avobenzone 71010-52-1, Gellan gum 94231-35-3 125913-31-7 135322-32-6, Chitosan ascorbate 174882-69-0, Pycnogenol 211504-83-5 439666-13-4 676608-06-3 676608-07-4 676608-08-5 683226-75-7 697291-65-9, Phytosan 728945-82-2, Azaftig (skin firming anti-aging cosmetic compns.)

IT 32619-42-4, Oleuropein (skin firming anti-aging cosmetic compns.)

RN 32619-42-4 USPATFULL

CN 2H-Pyran-4-acetic acid, 3-ethylidene-2-(β -D-glucopyranosyloxy)-3,4-dihydro-5-(methoxycarbonyl)-, 2-(3,4-dihydroxyphenyl)ethyl ester, (2S,3E,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.



IT 32619-42-4, Oleuropein
(skin firming anti-aging cosmetic compns.)

L39 ANSWER 11 OF 11 USPATFULL on STN

AN 2004:202984 USPATFULL

TI Topically Bioavailable Acne and Rosacea Treatment Compositions

IN GUPTA, SHYAM K., SCOTTSDALE, AZ, UNITED STATES

PI US2004156873 A1 20040812

AI 2003US-0248691 A1 20030210 (10)

DT Utility

FS APPLICATION

LREP SHYAM K. GUPTA, BIODERM RESEARCH, 5221 E. WINDROSE DRIVE, SCOTTSDALE, AZ, 85254

CLMN Number of Claims: 8

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 955

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to acne and rosacea compositions by a six-prong synergistic combination treatment strategy that includes (1) control of excess sebum production, (2) control of undesirable bacteria or mites, (3) control of inflammation, (4) enhanced desquamation of follicular infundibulum cells, (5) reduction of irritation from anti-acne or rosacea compositions themselves, and (6) enhancement of the topical bioavailability of anti-acne and rosacea compositions. This is achieved by a synergistic combination of commonly utilized topical anti-acne and rosacea ingredients with a topical bioavailability enhancement composition, which results in enhanced anti-acne and rosacea action from such ingredients. Moreover, additional inclusion of an anti-inflammatory composition, and also a vascular micro-circulation enhancement composition, further results in synergistic superior anti-acne and rosacea benefits from such compositions. The present invention discloses additional surprising synergistic combinations for the control of acne and rosacea that are suitable for a variety of delivery systems and packaging forms.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

INCL INCLM: 424/401.000

INCLS: 514/062.000; 514/160.000; 514/389.000; 514/356.000; 514/054.000;
514/554.000

NCL NCLM: 424/401.000

NCLS: 514/054.000; 514/062.000; 514/160.000; 514/356.000; 514/389.000;
514/554.000

IC [7]
ICM A61K-0031/728
ICS A61K-0031/7008; A61K-0031/60; A61K-0031/205
IPCI A61K0031-728 [ICM,7]; A61K0031-726 [ICM,7,C*]; A61K0031-7008
[ICS,7]; A61K0031-60 [ICS,7]; A61K0031-205 [ICS,7]; A61K0031-185
[ICS,7,C*]
IPCR A61K0031-185 [I,C*]; A61K0031-205 [I,A]; A61K0031-60 [I,A];
A61K0031-60 [I,C*]; A61K0031-7008 [I,A]; A61K0031-7008 [I,C*];
A61K0031-726 [I,C*]; A61K0031-728 [I,A]; A61Q0019-00 [I,A];
A61Q0019-00 [I,C*]

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2006 ACS on STN

	PATENT	KIND	DATE
OS	CA 141:195281 * US 20040156873	A1	20040812
* CA Indexing for this record included			
CC	63-6 (Pharmaceuticals)		
Section cross-reference(s): 1, 62			
ST	cosmetic topical bioavailability enhancer acne rosacea treatment synergy		
IT	DNA	(ascorbate derivs.; topically bioavailable synergistic combination for acne and rosacea treatment)	
IT	Cosmetics	(cleansing; topically bioavailable synergistic combination for acne and rosacea treatment)	
IT	Cosmetics	Hair preparations (conditioners; topically bioavailable synergistic combination for acne and rosacea treatment)	
IT	Drug bioavailability	(enhancers; topically bioavailable synergistic combination for acne and rosacea treatment)	
IT	Cosmetics	(exfoliating; topically bioavailable synergistic combination for acne and rosacea treatment)	
IT	Aesculus hippocastanum		
	Ammi visnaga		
	Boswellia serrata		
	Centella asiatica		
	Chamomile		
	Melilotus officinalis		
	Phyllanthus emblica		
	Potentilla erecta	(extract; topically bioavailable synergistic combination for acne and rosacea treatment)	
IT	Embryophyta	(exts.; topically bioavailable synergistic combination for acne and rosacea treatment)	
IT	Cosmetics	(face packs; topically bioavailable synergistic combination for acne and rosacea treatment)	
IT	Drug delivery systems	(gels; topically bioavailable synergistic combination for acne and rosacea treatment)	
IT	Tea products	(green, extract; topically bioavailable synergistic combination for acne and rosacea treatment)	
IT	Salix	(herb; topically bioavailable synergistic combination for acne and rosacea treatment)	
IT	Plantago psyllium	(husk powder; topically bioavailable synergistic combination for acne and rosacea treatment)	

IT Circulation
(microcirculation, agents for improvement of; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Proteins
(oat; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Drug delivery systems
(ointments, creams; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Resins
(oleoresins, Capsicum; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Luffa
(particles; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Phenols, biological studies
(polyphenols, nonpolymeric; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Cosmetics
(powders; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Zingiber officinale
(root extract; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Skin, disease
(rosacea; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Vitis vinifera
(seed extract; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Cosmetics
(serums; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Natural fibers
(soybean; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Drug interactions
(synergistic; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Antioxidants
(topical bioavailability enhancers; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Drug delivery systems
(topical; topically bioavailable synergistic combination for acne and rosacea treatment)

IT Acne
Analgesics
Anesthetics
Anti-inflammatory agents
Cosmetics
Humectants
Permeation enhancers
Skin preparations (pharmaceutical)
Solubilizers
Surfactants
(topically bioavailable synergistic combination for acne and rosacea treatment)

IT Clays, biological studies
Hormones, animal, biological studies
Mica-group minerals, biological studies
Mineral elements, biological studies
Paraffin waxes, biological studies
Polysiloxanes, biological studies
Vitamins
(topically bioavailable synergistic combination for acne and rosacea treatment)

IT 9002-88-4, Polyethylene
(balls; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 5508-58-7, Andrographolide
(of Andrographis paniculata; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 16830-15-2, Asiaticoside
(of Centella asiatica extract; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 520-26-3, Hesperidin 520-27-4, Diosmin
(of Citrus sinensis; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 36062-04-1, Tetrahydrocurcumin
(of Curcuma longa; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 512-04-9, Diosgenin
(of Fenugreek; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 6147-11-1, Mangostin
(of Garcinia mangostana; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 472-61-7, Astaxanthin
(of Haematococcus algae; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 548-04-9, Hypericin
(of Hypericum perforatum; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 502-65-8, Lycopene
(of Lycopersicum esculentum; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 4773-96-0, Mangiferin
(of Mangifera indica; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 32619-42-4, Oleuropein
(of Olea europaea; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 174882-69-0, Pycnogenol
(of Pine bark extract; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 501-36-0, Resveratrol
(of Polygonum cuspidatum; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 476-66-4, Ellagic acid
(of Punica granatum; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 20283-92-5, Rosmarinic acid
(of Rosmarinus officinalis; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 472-11-7, Ruscogenin
(of Ruscus aculeatus extract; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 59219-65-7, Darutoside
(of Siegesbeckia orientalis extract; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 127-40-2, Lutein
(of Tagetes patula; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 55306-04-2, Sericoside
(of Terminalia sericea extract; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 528-58-5, Cyanidin
(of Vaccinium myrtillus; topically bioavailable synergistic combination for acne and rosacea treatment)

IT 327-97-9, Chlorogenic acid
(of Vaccinium vulgaris; topically bioavailable synergistic combination for acne and rosacea treatment)

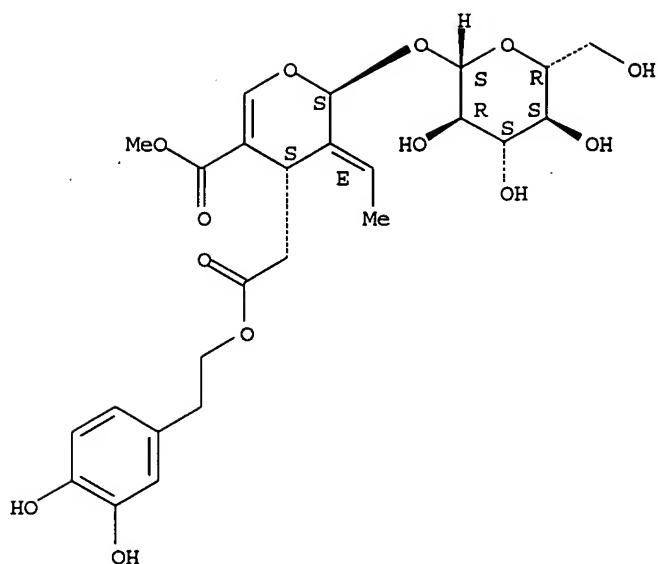
IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies 50-81-7D, Ascorbic acid, derivs. 58-95-7, Vitamin E acetate 59-67-6, Niacin, biological studies 59-67-6D, Niacin, esters 65-19-0, Yohimbine hydrochloride 65-23-6, Pyridoxine 69-72-7, Salicylic acid, biological studies 70-18-8, Glutathione, biological studies 77-52-1, Ursolic acid 79-81-2, Vitamin A palmitate 93-60-7, Methyl nicotinate 94-44-0, Benzyl nicotinate 94-62-2, Piperine 98-92-0, Niacinamide 100-51-6, Benzyl alcohol, biological studies 117-39-5, Quercetin 122-99-6, Phenoxyethanol 123-99-9, Azelaic acid, biological studies 125-46-2, Usnic acid 146-48-5, Yohimbine 153-18-4, Rutin 302-79-4, Retinoic acid 305-84-0, Carnosine 404-86-4, Capsaicin 471-53-4, Glycyrrhetic acid 491-70-3, Luteolin 520-36-5, Apigenin 520-45-6, Dehydroacetic acid 531-75-9, Esculin 627-82-7 1200-22-2, α -Lipoic acid 1320-83-8 1406-18-4, Vitamin E 3369-95-7, Pyridoxine ascorbate 4589-04-2 6805-41-0, Escin 6829-55-6, Tocotrienol 7631-86-9, Silica, biological studies 7778-18-9, Calcium sulfate 9012-76-4, Chitosan 12001-79-5, Vitamin K 13463-18-8, Glutathione ascorbate 24187-16-4 24404-95-3 35454-96-7 57448-83-6 66267-50-3, Chitosan lactate 66634-12-6 84563-64-4 84563-67-7, Chitosan salicylate 84563-77-9, Chitosan glycolate 84563-85-9, Chitosan citrate 88640-44-2 91869-06-6, Chitosan malate 114374-92-4 127528-07-8 135322-32-6, Chitosan ascorbate 176950-43-9 177024-62-3, Creatine citrate 178037-44-0, Micromerol 211504-83-5 213915-11-8 253662-27-0 365424-29-9 439666-12-3 439666-13-4 544455-23-4 544455-29-0 666825-40-7 676608-06-3 676608-07-4 676608-08-5 683226-74-6 683226-75-7 683226-76-8 683226-77-9 683226-78-0 683226-80-4 683226-81-5 683226-82-6 683226-83-7 683226-84-8 683226-85-9 683226-86-0 686351-57-5 686351-58-6 686351-59-7 686351-60-0 686351-61-1 686351-62-2 686351-63-3 686351-64-4 686351-65-5 686351-66-6 686351-67-7 686351-69-9 686351-70-2 686351-71-3 686351-72-4 686351-73-5 686351-74-6 686351-76-8 686351-77-9 686351-78-0 686351-79-1 686351-80-4 686351-81-5 686351-82-6 686351-83-7 686351-84-8 686351-86-0 686351-87-1 686351-88-2 686351-89-3 686351-90-6 686351-91-7 686351-92-8 686351-93-9 686351-94-0 686351-95-1 686351-96-2 686351-97-3 697291-65-9, Phytosan 736997-23-2 736997-24-3 736997-25-4 736997-26-5 736997-27-6 736997-28-7 736997-29-8 736997-34-5 737803-19-9, Mellarrest L 737803-20-2, Chlorelline 737803-22-4, Helioxine (topically bioavailable synergistic combination for acne and rosacea treatment)

IT 32619-42-4, Oleuropein (of Olea europaea; topically bioavailable synergistic combination for acne and rosacea treatment)

RN 32619-42-4 USPATFULL

CN 2H-Pyran-4-acetic acid, 3-ethylidene-2-(β -D-glucopyranosyloxy)-3,4-dihydro-5-(methoxycarbonyl)-, 2-(3,4-dihydroxyphenyl)ethyl ester, (2S,3E,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.



IT 32619-42-4, Oleuropein
 (of Olea europaea; topically bioavailable synergistic combination for acne and rosacea treatment)

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 CONNECT IS M1 RC AT 7
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 CONNECT IS M1 RC AT 9
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301 ANSWERS

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L58 ANSWER 1 OF 14 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN
 AN 2006-167102 [18] WPIX
 DNC C2006-056005
 TI Cosmetic/dermatological photoprotective composition, useful e.g. in cosmetic treatment of e.g. skin, hair and scalp, comprises 1,3,5-triazine derivative, and mixture comprising oil having amide motif and arylalkyl benzoate derivative.
 DC A96 D21 E19
 IN CANDAU, D; FIANDINO, C
 PA (OREA) L'OREAL SA
 CYC 39
 PI FR----2872418 A1 20060106 (200618)* 34 A61K-008-49
 CA----2510328 A1 20060102 (200618) FR A61K-008-30
 EP----1618927 A1 20060125 (200618) FR A61Q-017-04
 R: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI
 LT LU LV MC MK NL PL PT RO SE SI SK TR YU
 JP--2006016397 A 20060119 (200618) 100 A61K-008-00
 US--2006002872 A1 20060105 (200618) A61K-008-30
 ADT FR----2872418 A1 2004FR-0051421 20040702; CA----2510328 A1
 2005CA-2510328 20050621; EP----1618927 A1 2005EP-0291123 20050525;
 JP--2006016397 A 2005JP-0194386 20050701; US--2006002872 A1 Provisional
 2004US-589007P 20040720, 2005US-0172885 20050705
 PRAI 2004FR-0051421 20040702
 IC ICM A61K-008-00; A61K-008-30; A61K-008-49; A61Q-017-04
 ICS A61K-008-37; A61K-008-42; A61K-008-44; A61K-008-60; A61K-008-92;
 A61Q-001-00; A61Q-005-00; A61Q-017-00; A61Q-019-00; A61Q-019-04
 AB FR 2872418 A UPAB: 20060315
 NOVELTY - Cosmetic or dermatological photo protective composition (A) comprises at least 1,3,5-triazine derivative (I), and a mixture (II) comprising an oil (III) having at least an amide motif in its structure and an arylalkyl benzoate derivative (IV).
 DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for use of a mixture constituted by at least (IV) and (III) in (A) comprising (I) to improve the factor of solar protection, the cosmetic properties and/or the stability of (A).
 USE - (A) is useful for the manufacture of: products for the cosmetic treatment of skin, lips, nails, hair, lashes, eyebrows and/or scalp; products of care of skin, lips, nails, hair and/or scalp; make-up products (claimed); and cosmetic or dermatological composition for the protection of keratinic material against solar radiation.
 ADVANTAGE - (II) present in (A) containing (I) improves: the factor of solar protection; the cosmetic properties; and/or the stability of (A) (claimed).
 Dwg.0/0

FS CPI
 FA AB; GI; DCN
 MC CPI: A12-V04; D08-B; D08-B01A; D08-B01B; D08-B01C; D08-B02; D08-B03;
 D08-B09A1; D09-E01; E07-D13B
 ABEX UPTX: 20060315

SPECIFIC COMPOUNDS - The use of N-acetyl N-butyaminopropionate, isopropyl N-lauroylsarcosinate and N,N-diethyl-toluamide is specifically claimed as (III). The use of phenylethyl benzoate is specifically claimed as (IV). The use of 14 compounds (I) is specifically claimed e.g. 2,4,6-tris-(diisobutyl-4'-amino benzalmalonate)-S-triazine, 2,4,6-tris-(di(2-ethylhexyl)-4'-amino benzalmalonate)-S-triazine, 2,4,6-tris-(di(2-ethylhexyl)-4'-amino benzalmalonate)-6-chloro-S-triazine, 2,4,6-tris-(di(2-ethylhexyl)-4'-amino benzalmalonate)-6-(2-ethylhexyl-4'-aminobenzoate)-S-triazine and 2,4,6-tris-(diisobutyl-4'-amino benzalmalonate)-6-butoxy-S-triazine.

EXAMPLE - Aqueous phase containing (wt.%) sequestrant (0.1), deionized water (to 100), glycerin (5), xanthane rubber (0.2) and monocetyl phosphate (1) was heated to 80degreesC. Fatty phase containing (wt.%) polydimethylsiloxane (0.5), preservative (1), stearic acid (1.5), monostearate of glyceryl/stearate-polyethylene glycol (PEG) (100 OE) mixture (1), cetylstearylglucoside/cetylstearylic alcohol mixture (2), cetyllic alcohol (0.5), butyl methoxy dibenzoylmethane (2), 2-phenylethyl benzoate (10), N-lauroyl isopropyl sarcosinate (10) and bis-ethylhexyloxyphenol methoxyphenyl triazine (5) was heated to 80degreesC. The aqueous and fatty phases were mixed under agitation. Isohexadecane (1 wt.%) and acrylic acid copolymer/stearyl methacrylate (0.2 wt.%) were added to the mixture at ambient temperature under moderate agitation. The reaction mixture was worked up to give the photoprotective composition.

TECH UPTX: 20060315
 TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Components: (III)
 (0.1-40, preferably 1-20 wt.%) is alkyl compound of formula
 $R_1-C=O-N(R_2)-CH(R_3)-(H)k-(CH_2)i(-C=O-OR_4)j$. (IV) is phenyl derivative of formulae (IVb) or (IVc). (IV) is 0.1-40 (preferably 1-30) wt.%. (I) (0.05-15 (preferably 0.1-10 wt.%) is substituted triazine of formula (Ia), 2((p-(tertiobutylamido)anilino)-4-6-bis(p-(2'-ethylhexyl-1'-oxycarbonyl)anilino)-1,3,5-triazine of formula (Ib), 2,4,6-tris(p-(2'-ethylhexyl-1'-oxycarbonyl)anilino)-1,3,5-triazine of formula (Ic) or 2,4-bis((4-2-ethyl-hexyloxy)-2-hydroxy)-phenyl)-6-(4-methoxy-phenyl)-1,3,5-triazine of formula (Id).
 R1 = hydrocarbonated monovalent radical (optionally functionalized) containing 1-30C (preferably 1-22C) (terminals included), preferably 1-22C radical, 2-22C alkenyl or aryl;
 R2-R4 = H or hydrocarbonated monovalent radical (optionally functionalized) containing 1-30C (preferably 1-22C) (terminals included);
 K = 0 or 1;
 i = 0-2; and
 j = 0 or 1.
 In formulae, (IVb) or (IVc),
 X = O, S or N;
 n = 1-10 (preferably 2-6);
 R5, R6, R10 = H, OH, 1-4C alkoxy, NO, NH₂ or C₆H₆SO₂; and
 R7-R9 = phenyl derivative of formula (a).
 In formulae, (Ia)-(Id),
 Either A1-A3 = phenyl derivative of formula (IIa)-(IXa); or
 A1 = halo, N(R₃)₂ (where both R₃ can form a 4-5C cycle) or OR₃;
 X_a = O (preferred) or -NH-;
 R_a = H, alkaline metal, ammonium (optionally substituted by 1-18C alkyl or 1-18C hydroxyalkyl), 1-18C (preferably 6-12C) alkyl, 5-12C cycloalkyl (optionally substituted by 1-4C alkyl), polyoxyethylene (preferred) (comprising 1-6 units of ethylene oxide, where the terminal OH is methyl) or ether compound of formulae (Xa)-(XIIa);
 R₈ = H or methyl;
 R₉ = 1-9C alkyl (preferably methyl);
 q = 0-3;

r = 1-10;
 A = 4-8C alkyl or 5-8C cycloalkyl;
 B1 = 1-8C alkyl, 5-8C cycloalkyl or aryl (optionally substituted by 1-4C alkyl);
 R1 = 3-18C alkyl; 2-18C alkenyl or -CH₂-CH(OH)-CH₂-OT1;
 T1 = H, 1-8C alkyl (both preferred) or silicon compound of formula (-R13-(Si(R10)(R11)-O)p1-Si(R10)(R11)-R12);
 R13 = covalent bond, 1-4C alkyl or -Cm1H2m1-O-;
 m1 = 1-4;
 p1 = 0-5;
 R10-R12 = 1-18C alkyl, 1-18C alkoxy or silicon compound of formula (-O-Si(R14)3);
 R14 = 1-5C alkyl;
 R2 = H, 1-4C alkyl or 1-4C alkoxy;
 R3, R4 = 1-20C alkyl;
 R5 = H or phenyl (optionally substituted by halo, 1-4C alkyl or 1-4C alkoxy);
 R6 = 1-8C alkyl or 1-3C alkoxy (where two adjacent R6 of a same aromatic nucleus can form 1-2C alkylidene dioxy, OH, NHCOCH₃ or NH₂);
 R7 = H, 1-10C alkyl (both preferred) or -(CH₂CHR5-O)n1R8 or -CH₂-CH(OH)-CH₂OT1R8;
 n1 = 1-16;
 Z = O, S, -NH- or -NR3;
 p = 0-3;
 Rb = 2-ethyl hexyl; and
 R = tert-butyl radical.

Provided that when j is 1 then K is 0 and when j is 0 then i is 0 and K is 1.

Preferred Composition: (A) further comprises: at least a complementary photo protective organic agent (anthranilates, cinnamic derivatives, salicylic derivatives, camphor derivatives, benzophenone derivatives, beta,beta'-diphenylacrylate, benzotriazole derivatives, benzalmalonate derivatives, benzimidazole derivatives, imidazolines, bis-benzoazolyl derivatives, p-aminobenzoic acid (PABA) derivatives, methylene bis-(hydroxyphenyl benzotriazole) derivatives, benzoxazole derivatives, polymer filters and silicone filters, dimers derived from a-alkylstyrene and/or 4,4-diarylbddenes, preferably homosalate ethylhexyl salicylate, octocrylene, phenylbenzimidazole sulfonic acid, benzophenone-3, benzophenone-4, N-hexyl benzophenone-5,2-(4-diethylamino-2-hydroxybenzoyl)-benzoate, 4-methylbenzylidene camphor, terephthalylidene dicamphor sulfonic acid, disodium phenyl dibenzimidazole tetra-sulfonate, methylene (a)-benzotriazolyl tetramethylbutylphenol ethylhexyl triazole, diethylhexyl butamido triazole, drometrizole trisiloxane polysilicone-15, 1,1-dicarboxy (2,2'-dimethyl-propyl)-4,4-diphenylbutadiene; and/or 2,4-bis-(5-1(dimethylpropyl)benzoxazol-2-yl-(4-phenyl)-imino)-6-(2-ethylhexyl)-imino-1,3,5-triazine); and/or a mineral photo protective agent or inorganic filters, hydro-soluble, liposoluble or insoluble in the currently used cosmetic solvents (optionally coated pigments or nanopigments of metallic oxide). The complementary inorganic filters are nanopigments of titanium oxide (amorphous or crystallized) in rutile and/or anatase form of iron, zinc, zirconium or cerium; at least an tanning agent and/or an agent for artificial browning of the skin; at least an adjuvant (fatty acids, organic solvents, hydrophilic or lipophilic thickeners (optionally ionic), softeners, humectants, opacifier, stabilizer, emollients, silicones, anti-foaming agents, perfumes, preservatives, anionic-, cationic-, non-ionic, zwitterionic or amphoteric tensio-active, actives, charges, polymers, propellant, or alkalinizing or acidifying agents. (IV) is present in a sufficient quantity to solubilize the total quantity of triazine filter present in the composition.

L58 ANSWER 2 OF 14 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN

AN 2006-147698 [16] WPIX

CR 2006-079936 [08]

DNC C2006-050216

TI Photo protective composition, used as e.g. cosmetic products for the

treatment of e.g. skin, comprises 1,3,5-triazine derivatives, arylalkyl benzoate derivative and eutectic mixture of n-butylphthalimide and isopropylphthalimide.

DC A96 D21 E19
 IN CANDAU, D; FIANDINO, C
 PA (OREA) L'OREAL SA
 CYC 1
 PI FR-----2872419 A1 20060106 (200616)* 31 A61K-008-49
 ADT FR-----2872419 A1 2004FR-0051422 20040702
 PRAI 2004FR-0051422 20040702
 IC ICM A61K-008-49
 ICS A61Q-001-00; A61Q-005-00; A61Q-017-00; A61Q-019-00
 AB FR 2872419 A UPAB: 20060308

NOVELTY - Photo protective composition (A) comprises 1,3,5-triazine derivatives (I), arylalkyl benzoate derivative (II) and a eutectic mixture (III) of n-butylphthalimide and isopropylphthalimide.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for use of a mixture constituted by at least (II) and (III) in (A) comprising (I) to improve the factor of solar protection, the cosmetic properties and/or the stability of (A).

USE - (A) is useful for the manufacture of: products for the cosmetic treatment of skin, lips, nails, hair, lashes, eyebrows and/or scalp; products of care of skin, lips, nails, hair and/or scalp; and make-up products (claimed).

ADVANTAGE - (A) containing (II) and (III) improves: the factor of solar protection; the cosmetic properties; and/or the stability of the composition (claimed).

Dwg.0/0

FS CPI
 FA AB; GI; DCN
 MC CPI: A12-V04A; A12-V04C; D08-B01; D08-B02; D08-B03; D08-B03C; D08-B09A;
 D08-B09A1; D09-E01; E05-E01B; E06-D03; E06-D05; E06-D08;
 E06-E01; E06-E05; E06-F01; E07-D13B; E10-A10B; E10-B01A1; E10-B02A2;
 E10-B02A3; E10-D03A; E10-D03B; E10-D03D; E10-E02D2; E10-E02F1;
 E10-G01; E10-G02F1

ABEX UPTX: 20060308
 SPECIFIC COMPOUNDS - The use of phenylethyl benzoate is specifically claimed as (II). (I) is specifically claimed as compound of formula (Ib), (Ic), or (Id). (I) is also specifically claimed to be selected from: 2,4,6-tris-(diisobutyl-4'-amino benzalmalonate)-S-triazine; 2,4,6-tris-(di(2-ethylhexyl)-4'-amino benzal;malonate)-S-triazine; 2,4,6-tris-(di(2-ethylhexyl)-4'-amino benzalmalonate)-6-chloro-S-triazine (sic); 2,4,6-tris-(di(2-ethylhexyl)-4'-amino benzalmalonate)-6-(2-ethylhexyl-4'-aminobenzoate)-S-triazine (sic); 2,4,6-tris-(diisobutyl-4'-amino benzalmalonate)-6-butoxy-S-triazine (sic); 2,4,6-tris-(diisobutyl-4'-amino benzalmalonate)-6-(2-ethylhexylamino)-S-triazine (sic); 2,4-bis-(4'-aminobenzylidene-camphor)-6-(2-ethylhexylamino)-S-triazine; 2,4-bis-(4'-aminobenzylidene-camphor)-6-(diisobutyl-4'-amino-benzalmalonate)-S-triazine; 2,4,6-tris-(diethyl-4'-amino-benzalmalonate)-S-triazine; 2,4,6-tris-(dimethyl-4'-amino-benzalmalonate)-S-triazine; 2,4,6-tris-(diethyl-alpha-cyano-4-aminocinnamate-amino-benzalmalonate)-S-triazine; 2,4,6-tris-((3'-benzotriazol-2-yl-2'-hydroxy-5'-methyl)phenylamino)-S-triazine; and 2,4,6-tris-((3'-benzotriazol-2-yl-2'-hydroxy-5'-ter-octyl)phenylamino)-S-triazine.

EXAMPLE - Aqueous phase containing (wt.%) sequestrant (0.1), deionized water (to 100), glycerin (5), xanthane rubber (0.2) and monocetyl phosphate (1) was heated to 80degreesC. Fatty phase containing (wt.%) polydimethylsiloxane (0.5), preservative (1), stearic acid (1.5), monostearate of glyceryl/stearate-polyethylene glycol (PEG) (100 OE) mixture (1), cetylstearylglucoside/cetylstearyllic alcohol mixture (2), cetyllic alcohol (0.5), butyl methoxy dibenzoylmethane (2), 2-phenylethyl benzoate (10), eutectic butylphthalimide/isopropylphthalimide mixture (10) and bis-ethylhexyloxyphenol-methoxyphenyl-triazine (5) was heated to 80degreesC. The aqueous and fatty phases were mixed under agitation.

Isohexadecane (1 wt.%) and acrylic acid copolymer/stearyl methacrylate (0.2 wt.%) were added to the mixture at ambient temperature under moderate agitation. The reaction mixture was worked up to give the photoprotective composition

TECH

UPTX: 20060308

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Components: (II) (0.1-40 (preferably 1-30) wt.%) is of formula (IIb) or (IIc). (III) (0.1-50 (preferably 1-30) wt.%) comprises n-butyphthalimide (60-75 wt.%) of formula (a) and isopropylphthalimide (25-40 wt.%) of formula (b). The eutectic mixture of n-butyphthalimide/isopropylphthalimide has 60/40 (preferably 75/25) wt.%. (I) (0.05-15 (preferably 0.1-10 wt.%) is substituted triazine of formula (Ia).

In formula (IIb) or (IIc):

X = O, S or N;

n = 1-10 (preferably 2-6);

R₁, R₂, R₆ = H, OH, 1-4C linear or branched alkoxy, nitro, amine or C₆H₆SO₂; and

R₃-R₅ = phenyl derivative of formula (c).

In formula (Ia):

Either A₁-A₃ = phenyl derivative of formula (IIa)-(IXa);

A₁ = halo, N(R₃)₂ (where both R₃ can form a 4-5C cycle) or OR₃;

X_a = O (preferred) or -NH-;

R_a = H, alkaline metal, ammonium (optionally substituted by 1-18C alkyl or 1-18C hydroxyalkyl), 1-18C (preferably 6-12C) alkyl, 5-12C cycloalkyl (optionally substituted by 1-4C alkyl), polyoxyethylene (preferred) (comprising 1-6 units of ethylene oxide, where the terminal OH is methylated) or ether compound of formula (Xa)-(XIIa);

R₈ = H or methyl;

R₉ = 1-9C alkyl (preferably methyl);

q = 0-3;

r = 1-10;

A = 4-8C alkyl or 5-8C cycloalkyl;

B₁ = 1-8C alkyl, 5-8C cycloalkyl or aryl (optionally substituted by 1-4C alkyl);

R₁ = 3-18C alkyl; 2-18C alkenyl or -CH₂-CH(OH)-CH₂-OT₁;

T₁ = H, 1-8C alkyl (both preferred) or silicon compound of formula (-R₁₃-(Si(R₁₀R₁₁)-O)p₁-Si(R₁₀R₁₁)-R₁₂);

R₁₃ = covalent bond, 1-4C alkyl or -C_mH_{2m}-O-;

m₁ = 1-4;

p₁ = 0-5;

R₁₀-R₁₂ = 1-18C alkyl, 1-18C alkoxy or -O-Si(R₁₄)₃;

R₁₄ = is 1-5C alkyl;

R₂ = H, 1-4C alkyl or 1-4C alkoxy;

R₃, R₄ = 1-20C alkyl;

R₅ = H or phenyl (optionally substituted by halo, 1-4C alkyl or 1-4C alkoxy);

R₆ = 1-8C alkyl or 1-3C alkoxy (where two adjacent R₆ of a same aromatic nucleus can form 1-2C alkylidene dioxy), OH, NHCOCH₃ or NH₂;

R₇ = H, 1-10C alkyl (both preferred) or -(CH₂CHR₅-O)n₁R₈ or

-CH₂-CH-(OH)-CH₂OT₁;

n₁ = 1-16;

Z = O, S, -NH- or -N-(1-20C linear/branched alkyl radical); and

p = 0-3.

Preferred Composition: (A) further comprises: at least a complementary photo protective organic agent (anthranilates, cinnamic derivatives, salicylic derivatives, camphor derivatives, benzophenone derivatives, beta,beta'-diphenylacrylate, benzotriazole derivatives, benzalmalonate derivatives, benzimidazole derivatives, imidazolines, bis-benzoazolyl derivatives, p-aminobenzoic acid (PABA) derivatives, methylene bis-(hydroxyphenyl benzotriazole) derivatives, benzoxazole derivatives, polymer filters and silicone filters, dimers derived from a-alkylstyrene and/or 4,4-diarylbutadienes, preferably homosalate ethylhexyl salicylate, octocrylene, phenylbenzimidazole sulfonic acid, benzophenone-3, benzophenone-4, N-hexyl benzophenone-5,2-(4-diethylamino-2-hydroxybenzoyl)-benzoate, 4-methylbenzylidene camphor, terephthalylidene dicamphor sulfonic acid, disodium phenyl dibenzimidazole tetra-sulfonate, methylene

(a) -benzotriazolyl tetramethylbutylphenol ethylhexyl triazole, diethylhexyl butamido triazole, drometrizole trisiloxane polysilicone-15, 1,1-dicarboxy (2,2'-dimethyl-propyl)-4,4-diphenylbutadiene; and/or 2,4-bis-(5-1(dimethylpropyl)benzoxazol-2-yl-(4-phenyl)-imino)-6-(2-ethylhexyl)-imino-1,3,5-triazine); and/or a mineral photo protective agent or inorganic filters, hydro-soluble, liposoluble or insoluble in the currently used cosmetic solvents (optionally coated pigments or nanopigments of metallic oxide). The complementary inorganic filters are nanopigments of titanium oxide (amorphous or crystallized) in rutile and/or anatase form of iron, zinc, zirconium or cerium; at least an tanning agent and/or an agent for artificial browning of the skin; at least an adjuvant (fatty acids, organic solvents, hydrophilic or lipophilic thickeners (optionally ionic), softeners, humectants, opacifier, stabilizer, emollients, silicones, anti-foaming agents, perfumes, preservatives, anionic-, cationic-, non-ionic, zwitterionic or amphoteric tensio-active, actives, charges, polymers, propellant, or alkalizing or acidifying agents. (II) is present in a sufficient quantity to solubilize the total quantity of triazine filter present in the composition.

L58 ANSWER 3 OF 14 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN
 AN 2006-079936 [08] WPIX
 DNC C2006-028961
 TI Photoprotective composition for manufacture of cosmetic products for treating, e.g. skin, or lips, comprises triazine derivative(s), arylalkyl benzoate derivative(s), and eutectic mixture(s) of n-butylphthalimide and isopropylphthalimide.
 DC D21 E19
 IN CANDAU, D; FIANDINO, C
 PA (OREA) L'OREAL SA
 CYC 111
 PI WO--2006003020 A1 20060112 (200608)* EN 62 A61Q-017-04
 RW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT
 KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG
 ZM ZW
 W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE
 DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
 KM KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NG NI
 NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT
 TZ UA UG US UZ VC VN YU ZA ZM ZW
 ADT WO--2006003020 A1 2005WO-EP007369 20050620
 PRAI 2004US-589013P 20040720; 2004FR-0051422 20040702
 IC ICM A61Q-017-04
 ICS A61K-008-37; A61K-008-49; A61Q-001-00; A61Q-005-00; A61Q-019-00;
 A61Q-019-04
 AB WO2006003020 A UPAB: 20060331
 NOVELTY - Photoprotective composition comprises 1,3,5-triazine derivative(s), arylalkyl benzoate derivative(s), and eutectic mixture(s) of n-butylphthalimide and isopropylphthalimide.
 DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for use of combination of alkylaryl benzoate compound(s) and eutectic mixture(s) of n-butylphthalimide and isopropylphthalimide in a cosmetic or dermatological composition containing 1,3,5-triazine derivative, to improve the sun protection factor, cosmetic properties, and/or stability of composition.
 USE - For the manufacture of products for cosmetically treating or for caring for skin, lips, nails, hair, eyelashes, eyebrows, and/or scalp; or for the manufacture of makeup products (claimed).
 ADVANTAGE - The stable antisun composition has a higher sun protection factor. It has improved cosmetic qualities. It allows good moisturization of skin, i.e. no dryness of skin and no greasy feel are observed.
 Dwg.0/0
 FS CPI
 FA AB; GI; DCN
 MC CPI: D08-B01; D08-B02; D08-B03; D08-B09A; E05-E01B; E06-D03; E06-D16;

E07-D13B; E10-G02F1

ABEX

UPTX: 20060331

EXAMPLE - Aqueous phase B containing (wt.%) deionized water (qs), sequestering agent (0.1), glycerol (5), xanthan gum (0.2), and monocetyl phosphate (1) was heated to 80degreesC in a water bath. The fatty phase A containing polydimethylsiloxane (0.5), preserving agents (1), stearic acid (1.5), glycetyl monostearate/PEG stearate mixture (1), cetylstearyl glucoside/cetylstearyl alcohol mixture (2), cetyl alcohol (0.5), butylmethoxydibenzoylmethane (2), 2-phenylethyl benzoate (10), eutectic butylphthalimide/isopropylphthalimide mixture (10), and bis(ethylhexyloxyphenol)methoxyphenyltriazine (5) was heated to 80degreesC in water bath. A was emulsified in B with stirring. Phase C containing isohexadecane (1), acrylic acid/stearyl methacrylate copolymer (0.2), and triethanolamine (qs) was incorporated and the mixture was allowed to cool to room temperature with moderate stirring. The triethanolamine was introduced to adjust pH of desired value at the end of manufacture.

TECH

UPTX: 20060331

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Components: The arylalkyl benzoate derivative is of formulae (1) or (2). It is 2-phenyl-ethyl benzoate of formula (1a).

The 1,3,5-triazine derivative is of formula (I). It is 2-((p-(tert-butylamido)anilino)-4,6-bis((p-(2'-ethylhexyl-1'-oxycarbonyl)anilino)-1,3,5-triazine of formula (Ia). It is 2,4,6-tris(p(2'-ethylhexyl-1'-oxycarbonyl)anilino)-1,3,5-triazine of formula (Ib). It is 2,4-bis((4-2-ethylhexyloxy)-2-hydroxy)phenyl)-6-(4-methoxyphenyl)-1,3,5-triazine of formula (Ic). It is 2,4,6-tris(diisobutyl 4'-aminobenzalmalonate)-s-triazine, 2,4,6-tris(bis(2-ethylhexyl) 4'-aminobenzalmalonate)-s-triazine, 2,4,6-tris(bis(2-ethylhexyl) 4'-aminobenzalmalonate)-6-chloro-s-triazine, 2,4,6-tris(bis(2-ethylhexyl) 4'-aminobenzalmalonate)-6-(2-ethylhexyl 4'-aminobenzoate)-s-triazine, 2,4,6-tris(diisobutyl 4'-aminobenzalmalonate)-6-butoxy-s-triazine, 2,4,6-tris(diisobutyl 4'-aminobenzalmalonate)-6-(2-ethylhexylamino)-s-triazine, 2,4-bis(4'-aminobenzylidene camphor)-6-(2-ethyl-hexylamino)-s-triazine, 2,4-bis(4'-aminobenzylidene camphor)-6-(diisobutyl 4'-aminobenzalmalonate)-s-triazine, 2,4,6-tris(diethyl 4'-aminobenzalmalonate)-s-triazine, 2,4,6-tris(diisopropyl 4'-aminobenzalmalonate)-s-triazine, 2,4,6-tris(dimethyl 4'-aminobenzalmalonate)-s-triazine, 2,4,6-tris(ethyl alpha-cyano-4-aminocinnamate)-s-triazine, 2,4,6-tris((3'-benzotriazol-2-yl-2'-hydroxy-5'-methyl)phenylamino)-s-triazine, 2,4,6-tris((3'-benzotriazol-2-yl-2'-hydroxy-5'-tert-octyl)phenylamino)-s-triazine.

The composition also contains additional organic- or mineral- photoprotective agent(s), which is water-soluble, liposoluble or insoluble in the cosmetic solvents used.

The additional organic photoprotective agents are anthranilates, cinnamic derivatives, dibenzoylmethane derivatives, salicylic derivatives, camphor derivatives, benzophenone derivatives, beta,beta'-diphenylacrylate derivatives, benzotriazole derivatives, benzalmalonate derivatives, benzimidazole derivatives, imidazolines, bis-benzazolyl derivatives, p-aminobenzoic acid (PABA) derivatives, methylenebis(hydroxyphenylbenzotriazole) derivatives, benzoxazole derivatives, screening polymers and screening silicones, dimers derived from alpha-alkyl-styrene, and/or 4,4-diarylbadienes.

The additional organic screening agents are homosalate, ethylhexyl salicylate, ethylhexyl methoxycinnamate, butyl methoxybenzoylmethane, octocrylene, phenylbenzimidazosulfonic acid, benzophenone-3, benzophenone-4, benzophenone-5, n-hexyl 2-(4-diethylamino-2-hydroxybenzoyl)benzoate, 4-methylbenzylidene camphor, terephthalylidenedicamphorsulfonic acid, disodium phenyldibenzimidazole tetrasulfonate, methylenebis (benzotriazolyl) tetramethylbutylphenol, drometrizole trisiloxane, polysilicone-15, 1,1-dicarboxy (2,2'-dimethylpropyl)-4,4-diphenyl-butadiene, and/or 2,4-bis(5-1(dimethylpropyl)benzoxazol-2-yl (4-phenyl) imino)-6-(2-ethylhexyl) imino-1,3,5-triazine.

The additional mineral screening agents are nanopigments of titanium oxide, which is amorphous or crystallized in rutile and/or anatase form,

or of iron oxide, zinc oxide, zirconium oxide, or cerium oxide. The composition also comprises agent(s) for artificially tanning and/or browning the skin. It also comprises adjuvant(s) consisting of fatty substances, organic solvents, ionic or nonionic, hydrophilic or lipophilic thickeners, softeners, humectants, opacifiers, stabilizers, emollients, silicones, antifoams, fragrances, preserving agents, anionic, cationic, nonionic, zwitterionic or amphoteric surfactants, active agents, fillers, polymers propellants, or acidifying or basifying agents. Preferred Composition: The alkylaryl benzoate compound is present at 0.1-40 wt.% and more preferably 1-30 wt.% relative to total weight of composition. The eutectic mixture comprises 60-75 wt.% n-butylphthalimide of formula (3), and 25-40 wt.% isopropylphthalimide of formula (4). The eutectic mixture is n-butylphthalimide/isopropylphthalimide (60/40 wt.%, 62/38 wt.%, 65/35 wt.%, 70/30 wt.%, 75/25 wt.%). It is present at 0.1-50 wt.%, preferably 1-30 wt.% relative to total weight of composition. The 1,3,5-triazine derivative(s) is at 0.05-15 wt.%, preferably 0.1-10 wt.% relative to total weight of composition.

X=O, S, or N;

n=1-10, preferably 2-6;

R1 and R2=H, hydroxyl, 1-4C alkoxy radical, nitro radical, amino radical, or C6H6SO2 radical;

R3-R5=compound of formula (a);

R6=R1;

A1-A3=compounds of formulae (II)-(IX);

Xa=O or -NH-;

Ra=H, alkali metal, ammonium radical optionally substituted with 1-18C alkyl and/or 1-18C hydroxyalkyl, 1-18C preferably 6-12C alkyl radical, 5-12C cycloalkyl radical optionally substituted with 1-4C alkyl radical(s), polyoxyethylenated radical comprising 1-6 ethylene oxide units, the terminal OH group of which is methylated, radical of formulae (X)-(XII);

R8=H or methyl radical; R9=1-9C alkyl radical;

q=0-3;

r=1=10;

a=4-8C alkyl radical or 5-8C cycloalkyl radical;

B=1-8C alkyl radical, 5-8C cycloalkyl radical, aryl radical optionally substituted with 1-4C alkyl radical(s);

R1=3-18C alkyl radical, 2-18 alkenyl radical, residue of formula -CH2-CH(OH)-CH2-OT1, or residue of formula (XIII);

T1=H or 1-8C alkyl radical;

R13=covalent bond, 1-4C alkyl radical of formula -Cm1H2m1-O-;

m1=1-4;

p1=0-5;

R10-R12=1-18C alkyl radical, 1-18C alkoxy radical or radical of formula (XIV);

R14=1-5C alkyl radical;

R2=H, 1-4C alkyl radical or 1-4C alkoxy radical;

R3 and R4=1-20C alkyl radical;

R5=H or phenyl radical optionally substituted with halogen or with 1-4C alkyl radical or with 1-4C alkoxy radical;

R6=1-8C alkyl radical or 1-3C alkoxy radical, two adjacent radicals R6 on the same aromatic nucleus can together form an alkylidenedioxy group in which the alkylidene group contains 1 or 2 carbon atoms, OH, NHCOCH3 or NH2;

R7=H, 1-10C alkyl radical, radical of formula -(CH2CHR5-O)n1R8, or a radical of formula -CH2-CH-(OH)CH2OT1;

n1=1-16;

Z=O, S, -NH- or -NR3-;

R3=1-20C alkyl radical;

p=0-3;

A1=halogen, radical -N(R3)2, the two radicals R3 together forming a ring of 4 or 5 carbon atoms, or a group -OR3;

R'=2-ethylhexyl radical;

R=tert-butyl radical.

AN 2006-047350 [05] WPIX

DNC C2006-017736

TI Cosmetic water-in-oil emulsion that contains 2-phenylethyl benzoate, useful for preparing e.g. after-sun products, skin care compositions and bases for pharmaceuticals.

DC A96 D21 E19

IN CLAUSEN, A; HOOP, K; LERG, H; MUNDT, C
PA (BEIE) BEIERSDORF AG

CYC 111

PI WO--2005117825 A1 20051215 (200605)* GE 32 A61K-007-42

RW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT
KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG
ZM ZWW: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE
DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
KM KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NG NI
NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT
TZ UA UG US UZ VC VN YU ZA ZM ZW

DE102004027477 A1 20051229 (200605) A61K-007-40

ADT WO--2005117825 A1 2005WO-EP052335 20050520; DE102004027477 A1
2004DE-102004027477 20040602

PRAI 2004DE-102004027477 20040602

IC ICM A61K-007-40; A61K-007-42

AB WO2005117825 A UPAB: 20060120

NOVELTY - Cosmetic water-in-oil emulsion (A) that contains 2-phenylethyl benzoate (I).

USE - (A) are useful in skin care; make-up; as after-sun products (particularly); as creams and as bases for pharmaceutical compositions.

ADVANTAGE - Compositions containing (I) do not feel sticky on the skin but impart a velvety-silky skin feel (eliminating the need for cyclodimethicones); penetrate the skin quickly; and allow incorporation of a large amount of triazine-type UV filters, so provide a high level of protection over a long period.

Dwg.0/0

FS CPI

FA AB; DCN

MC CPI: A12-V01; A12-V04C; D08-B01; D08-B01C; D08-B09A; D08-B09A1;
D09-E01; E06-E01; E07-D13B; E10-G02F1

ABEX UPTX: 20060120

EXAMPLE - A low viscosity/sprayable water-in-oil emulsion comprised (by weight): 4% cetyl-dimethicone copolyol; 12% cyclodimethicone; 1% bis-ethylhexyloxyphenol methoxyphenyl triazine; 4% 4-methylbenzylidene camphor; 3% ethylhexyl methoxycinnamate; 3% ethylhexyl triazole; 2% zinc oxide; 5% dicaprylyl carbonate; 7% 12-15C alkyl benzoates; 3% mineral oil; 7% 2-phenylethyl benzoate; 5% glycerol; 5% sorbitol; 0.75% glycine soya; 0.75% magnesium sulfate; 1% phenoxyethanol; 2% alcohol; 0.02% oil-soluble dye; 0.3% perfume and water to make 100.

TECH UPTX: 20060120

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Compositions: These also include at least one triazine derivative (II) as UV filter, specifically one or more of 2,4-bis((4-(2-ethylhexyloxy)-2-hydroxy)phenyl)-6-(4-methoxyphenyl)-1,3,5-triazine; dioctylbutylamidotriazole; 2,4-bis-(5-(1-dimethylpropyl)benzoxazol-2-yl-(4-phenyl)imino)-6-(2-ethylhexyl)imino-1,3,5-triazine; or tris(2-ethylhexyl)4,4',4'''-(1,3,5-triazin-2,4,6-triylmino)-tris-benzoate. (I) is 2-10wt.%; (II) is 0.1-10wt.% and the emulsifier is 0.5-10wt.%. The composition may also include other UV filters (preferably at 0.5-10wt.%) and at least one moisturizer at 0.5-10wt.%. It may also include standard additives such as: UV-filtering inorganic pigments; self-tanning agents; insect repellants; oil phases; antioxidants and natural active agents such as lipoic acid or chalcones.

Preferred Materials: Typical water-in-oil emulsifiers are sorbitan stearate or oleate; lecithin; lanolin; glyceryl isostearate or mixtures of wool wax acids or alcohols.

TECHNOLOGY FOCUS - POLYMERS - Preferred Emulsifiers: These include acrylate/10-30C alkyl acrylate cross polymers; Poloxamer 100; poly(30)ethylene glycol di(polyhydroxystearate) and polyglyceryl-2-dipolyhydroxystearate, especially the last two.

L58 ANSWER 5 OF 14 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN
 AN 2005-591311 [60] WPIX
 DNC C2005-178177
 TI Personal care composition useful as e.g. sunscreen composition comprises phenylethyl benzoate, and an ingredient selected from a solid sunscreen ingredient, antiperspirant, surfactant, moisturizer or conditioner, in specified amounts.
 DC D21 E14
 IN SYED, S A; WALELE, I I
 PA (FINE-N) FINETEX INC
 CYC 108
 PI WO--2005069822 A2 20050804 (200560)* EN 41 A61K-000-00
 RW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT
 KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG
 ZM ZW
 W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE
 DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
 KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ
 OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG
 US UZ VC VN YU ZA ZM ZW
 US--2005288205 A1 20051229 (200603) C11D-003-00
 ADT WO--2005069822 A2 2005WO-US001097 20050111; US--2005288205 A1 Cont of
 2004US-0757012 20040114, 2005US-0141706 20050531
 PRAI 2004US-0757012 20040114; 2005US-0141706 20050531
 IC ICM A61K-000-00; C11D-003-00
 AB WO2005069822 A UPAB: 20050920
 NOVELTY - A personal care composition (C') comprises (weight%): phenylethyl benzoate (I) (0.5 - 50), and at least one ingredient selected from a solid sunscreen ingredient, antiperspirant, surfactant, moisturizer or conditioner (0.1 - 50).
 USE - As a personal care product e.g. a sunscreen composition for blocking the effects of sun on human skin and hair; and an antiperspirant composition for protecting human skin from perspiration (claimed).
 ADVANTAGE - The phenylethyl benzoate is capable of acting as a diluent, vehicle, liquid carrier, emollient, solubilizer, moisturizer, plasticizer, sunscreen vehicle/solvent, de-oiler/degreaser, and emulsifier/co-emulsifier in different forms of a personal care product, rather than for just the fragrance purposes as in the prior art; and imparts several properties such as tastelessness, inertness, no sensitization, ease of emulsification, high refractive index, emolliency with good after feel, lack or greasiness/pleasant skin feel, lack of oiliness while imparting good lubrication, low cloud point and pour point, high spreading coefficient, alcohol solubility, low toxicity, hydrolytic stability, additive properties for antiperspirant, and solvency for many skin and hair additives (such as sunscreens), to the product.
 Dwg.0/0
 FS CPI
 FA AB; DCN
 MC CPI: D08-B09A1; D08-B09B2; D09-E01; E06-D05; E10-A09B4;
 E10-B02A1; E10-B02E; E10-E02D2; E10-F02A2; E10-G02F1; E34-C03
 ABEX UPTX: 20050920
 EXAMPLE - A high sun protection factor (SPF) sunscreen lotion was prepared using the following ingredients (wt.%) as follows. A mixture (m1) was prepared by mixing: Abil WE9 (RTM) (5 wt.%), cyclomethicone (3 wt.%), Finsolv SUN (RTM; phenylethyl benzoate) (8 wt.%), Abil W9801 (RTM; wax) (1 wt.%), octylmethoxycinnamate (3 wt.%), octylsalicylate (3 wt.%), and benzophenone-3 (2 wt.%). A mixture (m2) was prepared by dissolving Natrosol 250 HHR CS (RTM; hydroxyethyl cellulose) (0.8 wt.%) into a vortex of agitating water phase (68.4 wt.%). After the cellulose was fully hydrated; sodium chloride (0.8 wt.%), followed by Natrlfine 137-T (RTM) (5 wt.%) was added, and mixed until

uniform. (m2) was then slowly added to (m1) with slow agitation, and the mixture was homogenized. The sunscreen lotion was then tested for skin feel, emolliency, slip, water rinse-off resistance and moisturizing effect, on a scale of 1 - 5 (where 1 indicated the best, and 5 indicated poor). The composition showed the rating as follows: skin feel = 2; emolliency = 2; slip = 2; water rinse-off resistance = 1; and moisturizing effect = 2.

TECH

UPTX: 20050920

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Composition: (C') is in the form of sunscreen product formulation, antiperspirant, shampoo, or hair conditioner (preferably a sunscreen composition (C'a) or an antiperspirant composition (C'b)).

(C'a) comprises (wt.%): (I) (0.5 - 25, preferably 1 - 15 wt.%), and a solid, organic ultraviolet light absorber (0.5 - 10, preferably 1 - 10 wt.%), in a carrier. (C'b) comprises (I) (0.5 - 25, preferably 1 - 10 wt.%) and an antiperspirant (0.5 - 50, preferably 1 - 50 wt.%), in a carrier.

(C'a) is in the form of a liquid, cream, gel, paste, bar, granules, stick, emulsion, dispersion, suspension, powder, foam or spray. (C'b) is in the form of a liquid, cream, paste, bar, granules or stick. (C'a) further comprises: a liquid organic sunscreen (1 - 10%) and adjunct ingredients. When (C'a) is in the form of a liquid, the carrier is selected from water, alcohol and/or glycol. (C'b) further comprises adjunct ingredients.

Preferred Components: The solid, organic ultraviolet light absorber is selected from benzophenone-3, avobenzone or methoxydibenzoylmethane. The liquid organic sunscreen is selected from octylsalicylate, octyl-methoxycinnamate, aminobenzoic acid, cinoxate, homosalate, methyl anthranilate, octocrylene, octisalate, padimate O, phenylbenzimidazole sulfonic acid, sulisobenzone, trolamine salicylate, or ethylmethoxycinnamate.

The antiperspirant is selected from aluminum chlorohydrate or aluminum zirconium tetrachloro-glycine.

The adjunct ingredients are selected from conditioning agents, fatty substances, organic solvents, thickening agents, emollients, emulsifiers, humectants, softeners, lubricants, penetrants, plasticizers, opacifiers, stabilizers, emollients, solvents, co-solvents, dispersants, silicones, alpha-hydroxy acids, buffers, chelating agents, foaming agents, antifoaming agents, moisturizing agents, insect repellants, fragrances, preservatives, surfactants, pH adjusters, chelating agents, fillers, polymers, propellants, basifying or acidifying agents, odor masking agents, tanning agents, and/or colorants.

TECHNOLOGY FOCUS - PHARMACEUTICALS - Preferred Components: The adjunct is selected from antioxidants, agents for combating free radicals, vitamins and/or anti-inflammatories.

L58 ANSWER 6 OF 14 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN

AN 2005-303788 [31] WPIX

DNC C2005-094074

TI Composition used in baby care applications e.g. diaper rash comprises divalent metal cation and zeolite anion ion-pair and/or quaternary ammonium cation and zeolite anion ion-pair composition, and delivery system or base composition.

DC A96 B05 B07 D21 D22

IN GUPTA, S K

PA (BIOD-N) BIODERM RES

CYC 1

PI US--2005058672 A1 20050317 (200531)* 12 A61K-007-00

ADT US--2005058672 A1 2003US-0605191 20030914

PRAI 2003US-0605191 20030914

IC ICM A61K-007-00

ICS A61K-033-06

AB US2005058672 A UPAB: 20050517

NOVELTY - Composition comprises at least one divalent metal cation (I) and zeolite anion ion-pair (II) and/or a quaternary ammonium cation (III) and zeolite anion ion-pair composition (IV), and a delivery system or a base

composition.

ACTIVITY - Dermatological.

No biological data is given.

MECHANISM OF ACTION - None given.

USE - Used as cosmetic and pharmaceutical compositions for skin care problems of infants and incontinent adults related to diaper rash i.e. diaper dermatitis, dry skin and irritated skin.

ADVANTAGE - The composition is synergistic. It removes the source of irritation, reduces the immediate skin reaction, relieves the discomfort and inflammation, prevents secondary infection and other complications and reduces excess moisture usually observed in rashes. It also provides skin soothing, antibacterial, excess moisture absorption, enzyme adsorption, and skin protection benefits in an extended time release manner.

Dwg.0/0

FS CPI

FA AB; DCN

MC CPI: A12-V01; A12-V04C; B03-A; B03-H; B04-A05; B04-A08C2; B04-B01B; B04-B01C3; B04-C02A; B04-C02B; B04-C02E3; B04-C03C; B04-C03F; B04-D02; B05-A01B; B05-A03A1; B05-A03A4; B05-A03B; B06-A01; B06-A03; B07-D09; B09-B; B14-C03; B14-N17; B14-R01; B14-R02; B14-S09; D08-B09A1; D09-A01

ABEX UPTX: 20050517

ADMINISTRATION - Administration is topical.

EXAMPLE - A baby wash composition comprising polyethylene glycol (PEG) PEG-6 (33.5), vitamin A palmitate (0.1), vitamin E acetate (0.1), actiplex botanicals (0.1), phenoxyethanol (0.5), liquapar (0.2), zinc zeolite (10.5), zeolite (28.0), sodium lauryl sulfoacetate (8.5), sodium cocoyl isethionate (14), Benzalkonium zeolite (4), and fragrance (0.5) was prepared.

TECH UPTX: 20050517

TECHNOLOGY FOCUS - PHARMACEUTICALS - Preferred Composition: The composition further comprises at least one antiinflammatory composition (C1), at least one water retentive composition (C2), optionally a skin protectant drug composition (C3) and skin beneficial ingredients (C4). Preferred Components: The delivery system or a carrier base is in the form of a lotion, cream, gel, spray, thin liquid, body splash, mask, serum, solid cosmetic stick, lip balm, shampoo, liquid soap, bar soap, bath oil, paste, salve, collodion, impregnated patch, impregnated strip, skin surface implant and/or diaper and is selected from traditional water and oil emulsions, suspensions, colloids, microemulsions, clear solutions, suspensions of nanoparticles, emulsions of nanoparticles or anhydrous compositions.

Preferred Components: (C4) Is selected from skin cleansers, surfactants (cationic, anionic, nonionic, amphoteric and zwitterionic), skin and hair conditioning agents, vitamins, hormones, minerals, plant extracts, antiinflammatory agents, collagen and elastin synthesis boosters, UVA/UVB sunscreens, concentrates of plant extracts, emollients, moisturizers, skin protectants, humectants, silicones, skin soothing ingredients, antimicrobial agents, antifungal agents, treatment of skin infections and lesions, blood microcirculation improvement, skin redness reduction benefits, additional moisture absorbents, analgesics, skin penetration enhancers, solubilizers, moisturizers, emollients, anesthetics, colorants, perfumes, preservatives, seeds, broken seed nut shells, silica, clays, beads, luffa particles, polyethylene balls, mica, pH adjusters and/or processing aids.

Preferred Components: The antiinflammatory composition is selected from at least one antioxidant class of cyclooxygenase (e.g. COX-1 or COX-2) or Lipoxygenase (LOX) (e.g. LOX-5), enzyme inhibitors such as ascorbic acid or it's derivatives, Vitamin E or it's derivatives, tocotrienol, rutin, quercetin, hesperedin (citrus sinesis), diosmin (citrus sinesis), mangiferin (Mangifera indica), mangostin (Garcinia mangostana), cyanidin (Vaccinium myrtillus), astaxanthin (Haematococcus algae), lutein (Tagetes patula), lycopene (Lycopersicum esculentum), resveratrol (Polygonum cuspidatum), tetrahydrocurcumin (Curcuma longa), rosmarinic acid (Rosmarinus officinalis), hypericin (Hypericum perforatum), ellagic acid

(*Punica granatum*), chlorogenic acid (*Vaccinium vulgaris*), oleuropein (*Olea europaea*), alpha-lipoic acid, glutathione, andrographolide, grape seed extract, green tea extract, polyphenols, pycnogenol (Pine Bark extract), white tea extract, black tea extract, (*Andrographis paniculata*), carnosine, niacinamide, and emblica extract, horse chestnut extract (*Aesculus hippocastanum*) extract, esculin, escin, yohimbine, capsicum oleoresin, capsaicin, niacin, niacin esters, methyl nicotinate, benzyl nicotinate, ruscogenins (Butchers Broom extract; *Ruscus aculeatus* extract), diosgenin (*Trigonella foenumgraecum*, Fenugreek), emblica extract (*Phyllanthus emblica* extract), asiaticoside (*Centella asiatica* extract), boswellia extract (*Boswellia serrata*), sericoside, visnadine, thiocolchicoside, grapseseed extract, ginger root extract (*Zingiber officianalis*), piperine, Vitamin K, melilot (*Melilotus officianalis* extract), glycyrrhetic acid, ursolic acid, sericoside (*Terminalia sericea* extract), darutoside (*Siegesbeckia orientalis* extract), Amni visnaga extract, extract of Red Vine (*Vitis vinifera*) leaves, apigenin, phytosan and/or luteolin.

The water retentive composition is selected from purified seaweeds (granulated *Spirulina*), alginate salts, rice bran husk, oat flour, oat protein, colloidal oat protein, soya flour, soya protein, wheat flour, wheat protein, milk powder, milk protein, egg powder, egg protein, casein, rice flour, corn starch, modified starches, rice starch, tapioca starch, inulin, hydrolyzed inulin, soya fibers, cotton fibers, cellulose, modified celluloses, sugars, modified carbohydrates, fenugreek fibers, silk fibers and/or various plant gums. The skin protectant drug composition optionally selected from allantoin, petrolatum, white petrolatum, Cod liver oil, Lanolin, Mineral oil, topical starch, dimethicone and/or calamine.

TECHNOLOGY FOCUS - INORGANIC CHEMISTRY - Preferred Components: (I) and (II) are selected from zinc zeolite, titanium zeolite, calcium zeolite, manganese zeolite, and/or magnesium zeolite. (IV) Comprises aluminosilicates either in hydrated or anhydrous forms. (III) and (IV) comprises stearalkonium zeolite, cetyltrimonium zeolite, behentrimonium zeolite, dicetyl dimonium zeolite or benzalkonium zeolite, various UV-absorbing quaternary zeolite compositions (such as cinnamidopropyltrimonium zeolite), various Quaternium zeolite compositions (such as Quaternium-82 zeolite, Quaternium-7 zeolite, Quaternium-10 zeolite, Quaternium-79 zeolite or Quaternium-79 zeolite), and/or silicone quaternium zeolite compositions or it is selected from various polyquaternium zeolite compositions (such as Polyquaternium-1 zeolite, Polyquaternium-2 zeolite, Polyquaternium-3 zeolite, Polyquaternium-4 zeolite, Polyquaternium-5 zeolite, Polyquaternium-6 zeolite, Polyquaternium-7 zeolite, Polyquaternium-10 zeolite, Polyquaternium-11 zeolite, Polyquaternium-16 zeolite, Polyquaternium-44 zeolite, Polyquaternium-46 zeolite or Polyquaternium-59 zeolite).

The divalent metal cation and zeolite anion ion-pair is made by an in situ process from a zinc salt composition and a zeolite composition or by an in situ process from a quaternary ammonium composition and a zeolite composition. (C1) comprises various clays, zeolites, anhydrous zeolites, fumed silica, porous silica and/or alumina. (C2) is selected from zeolites, anhydrous zeolites, calcium sulfate, magnesium sulfate, calcium chloride or clays. (C3) contains talc, kaolin and/or zinc oxide.

TECHNOLOGY FOCUS - POLYMERS - Preferred Components: The water retentive composition is selected from silica gels, water absorbent organic polymers, water retentive cellulose, starch, and inulin derivatives, carbomers, veegum, dehydro xanthan, cotton, paper fibers, ion exchange resins, chitosan, psyllium husk, algin, agar, carrageenan, gelatin, pectin, locust bean gum, gum arabica, xanthan gum or gellan gum.

L58 ANSWER 7 OF 14 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN
 AN 2005-202043 [21] WPIX

DNC C2005-064417

TI Antiaging cosmetic delivery system for skin, nail, and hair applications, comprises extra-cellular and intra-cellular antioxidants, anti-inflammatory composition, and collagen or fibrin boosting composition.

DC A96 B04 B05 D21
 IN GUPTA, S K
 PA (BIOD-N) BIODERM RES
 CYC 1
 PI US--2005048008 A1 20050303 (200521)* 9 A61K-007-42
 ADT US--2005048008 A1 2003US-0604999 20030829
 PRAI 2003US-0604999 20030829
 IC ICM A61K-007-42
 ICS A61K-007-00
 AB US2005048008 A UPTX: 20050401
 NOVELTY - An antiaging cosmetic delivery system comprises extra-cellular antioxidant or free-radical neutralizing composition; intra-cellular antioxidant or free-radical neutralizing composition; anti-inflammatory composition; collagen or fibrin boosting composition; and a carrier base or topical delivery system.
 USE - For skin, nail, and hair applications (claimed).
 ADVANTAGE - The antiaging cosmetic delivery system provides comprehensive solution to problems associated with natural skin aging, e.g. wrinkles, loss of elasticity, discoloration, or age spots.
 Dwg. 0/0
 FS CPI
 FA AB; DCN
 MC CPI: A12-V04A; A12-V04C; B03-L; B04-A10; B04-B03B; B04-C01A; B04-C02E2; B04-C02E3; B04-C03; B06-H; B07-H; B08-A; B10-A04; B10-A06; B10-A07D; B10-A09B; B10-A15; B10-A22; B10-B01A; B10-B02D; B10-C03; B10-C04D; B10-E02; B10-F02; B10-G02; B14-S08; D08-B03; D08-B09A1; D08-B09A3
 ABEX UPTX: 20050401
 EXAMPLE - An antiaging night cream composition was prepared by mixing (wt.%) water (81.15), carbomer (0.2), GMS-SE (2), stearic acid (3), cetyl alcohol (1.5), glycerin (1), jojoba oil (0.1), sweet almond oil (0.1), sesame oil (0.2), apricot kernel oil (0.2), panthenol (0.1), glydant plus (preservative, 0.2), dimethicone (2), vitamin E acetate (0.1), vitamin A palmitate (0.1), cinnamidopropyltrimonium ascorbate (5), niacinamide lipoate (2), Darutoside (0.5), and glutathione (0.05). The mixture was heated at 70-80 degreesC, and cooled to room temperature. Fragrance (0.150), and botanical extract (0.25) were added to the main batch and mixed. An off-white cream was obtained.
 TECH UPTX: 20050401
 TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Components: The extra-cellular antioxidant consists of cationic UV and/or free-radical absorbing compositions. It is quaternary ammonium ion-pair derivatives of cysteine, N-acetyl-cysteine, N-acyl-cystein, N-arooyl-cysteine, cystine, N-acetyl-cystine, N-acyl-cystine, N-arooyl-cystine, glutathione, glutathione dimer (oxidized glutathione), glutathione mono esters, glutathione dimer esters, biotin, lipoic acid, ascorbic acid, ascorbic acid esters, or amino benzoic acid, or salicylic acid, pantothenic acid, and/or carnosine. The intra-cellular antioxidant or free-radical neutralizing composition consists of (poly)phenolic, carotenoid, flavonoid, anthocyanin, xanthone, disulfide, and/or sulfhydryl. It is ascorbic acid (derivatives), Vitamin A, members of Vitamin B group, Vitamin D, Vitamin K, carotenes, biotin, folic acid Vitamin E, Vitamin E derivatives, tocotrienol, rutin, quercetin, hesperidin (*Citrus sinensis*), diosmin (*Citrus sinensis*), mangiferin (*Mangifera indica*), mangostin (*Garcinia mangostana*), cyanidin (*Vaccinium myrtillus*), astaxanthin (*Haematococcus algae*), lutein (*Tagetes patula*), lycopene (*Lycopersicum esculentum*), resveratrol (*Polygonum cuspidatum*), tetrahydrocurcumin (*Curcuma longa*), rosmarinic acid (*Rosmarinus officinalis*), hypericin (*Hypericum perforatum*), ellagic acid (*Punica granatum*), chlorogenic acid (*Vaccinium vulgaris*), oleuropein (*Olea europaea*), alpha-lipoic acid, glutathione, andrographolide, grapeseed extract, green tea extract (*Camellia sinensis*), polyphenols, pycnogenol (pine bark extract), white tea extract, black tea extract, (*Andrographis paniculata*), carnosine, niacinamide, emblica extract, hydroquinone, arbutin, hydroquinone derivatives, paper mulberry extract (*Broussonetia kazinoke*), mitracarpe extract (*Mitracarpus scaber*), bearberry extract (*Arctostaphylos uva ursi*), yellow dock extract (*Rumex crispus*) and (*Rumex occidentalis*), leucocyte

extract, (Aspergillus orizae) extract, licorice root extract (Glycyrrhiza glabra), Yohimbe extract (Pausinystalia yohimbe), (Ecklonia cava) extract, hydroxytetronic acid, (Spondias mombin) extract, (Maprounea guianensis) extract, (Walteria indica) extract, (Gouania blanchetiana) extract, (Cordia schomburgkii) extract, (Randia armata) extract, (Hibiscus furcellatus) extract, Galange extract (Kaempferia galanga), benzophenone-3, benzophenone-4, ethylhexyl methoxycinnamate, homosalate, ethylhexyl salicylate, octocrylene, methyl anthranilate, avobenzone, lawsone, sulisobenzone, trolamine salicylate, glyceryl aminobenzoate, cinoxate, PABA, copper nucleotide, zinc nucleotide, and/or manganese nucleotide. The collagen or fibrin boosting composition is glucosamine, N-acetyl-glucosamine, chondroitin, algae extracts, chitosan, niacinamide (derivatives), copper nucleotides, zinc nucleotides, manganese nucleotides, glutathione, carnosine, vitamin C, vitamin E, vitamin A, coenzyme Q10, lipoic acid, dimethylamino ethanol, ascorbic acid (derivatives), glucosamine ascorbate, arginine ascorbate, lysine ascorbate, glutathione ascorbate, nicotinamide ascorbate, niacin ascorbate, allantoin ascorbate, creatine ascorbate, creatinine ascorbate, chondroitin ascorbate, chitosan ascorbate, DNA ascorbate, carnosine ascorbate, vitamin E (derivatives), tocotrienol, rutin, quercetin, hesperedin, diosmin, mangiferin, mangostin, cyanidin, astaxanthin, lutein, lycopene, resveratrol, tetrahydrocurcumin, rosmarinic acid, hypericin, ellagic acid, chlorogenic acid, oleuropein, lipoic acid, niacinamide lipoate, glutathione, andrographolide, carnosine, niacinamide, potentilla erecta extract, polyphenols, grapeseed extract, pycnogenol, copper nucleotide, zinc nucleotide, manganese nucleotide, copper glucoside, zinc glucoside, manganese glucoside, and/or plant extracts. A carrier base or delivery system can be water and oil emulsions, suspensions, colloids, microemulsions, clear solutions, suspensions of nanoparticles, emulsions or nanoparticles, or anhydrous compositions.

Preferred Compositions: The extra-cellular antioxidant, and collagen or fibrin boosting composition are each present at 0.0001-25 wt.%. The intra-cellular antioxidant and anti-inflammatory composition are each present at 0.0001-10 wt.%.

TECHNOLOGY FOCUS - PHARMACEUTICALS - Preferred Components: The anti-inflammatory composition is steroid, terpene, alkaloid, essential oil, analgesic, or natural extracts class of compounds. It is horse chestnut extract (Aesculus hippocastanum extract), esculin, escin, yohimbine, capsicum oleoresin, capsaicin, niacin (esters), methyl nicotinate, benzyl nicotinate, niacinamide (derivatives), ruscogenins (Butchers Broom extract; Ruscus aculeatus extract), Diosgenin (Trigonella foenumgraecum, Fenugreek), emblica extract (Phyllanthus emblica extract), asiaticoside (Centella asiatica extract), boswellia extract (Boswellia serrata), ginger root extract (Zingiber Officianalis), piperine, Vitamin K, melilot (Melilotus officinalis extract), glycyrrhetic acid, ursolic acid, sericoside (Terminalia sericea extract), darutoside (Siegesbeckia orientalis extract), (Ammi visnaga extract), extract of red vine (Vitis-Vinifera) leaves, apigenin, phytosan, luteolin, plant extracts such as Tinospora, Stephania, Vitis, Feverfew, Baccharus, Rumex, Psoralea, Coptis, Ogon, Polygonum, Cinnamon, Qiang Huo, Scoparia, Tithinia, Celastrus, Eucomis, SAMe, Evodia, Syzygium, Capsicum, Galanga, turmeric, and/or ginger.

TECHNOLOGY FOCUS - POLYMERS - Preferred Components: Additional skin beneficial ingredients such as skin cleansers, surfactants (cationic, anionic, nonionic, amphoteric, zwitterionic), skin and hair conditioning agents, vitamins, hormones, minerals, plant extracts, anti-inflammatory agents, concentrates of extracts, emollients, moisturizers, skin protectants, humectants, silicones, skin soothing ingredients, analgesics, skin penetration enhancers, solubilizers, moisturizers, emollients, anesthetics, colorants, perfumes, preservatives, seeds, broken seed nut shells, silica, clays, beads, luffa particles, polyethylene balls, mica, pH adjusters, processing aids, or fragrances can be added to the formulation. A cationic extra-cellular antioxidant or free-radical neutralizer composition consists of UV and free-radical neutralizing ion-pair derivatives of stearalkonium chloride, cetrimonium chloride,

behentrimonium methosulfate, dicetyl dimonium chloride, benzalkonium chloride, polyquaternium compositions (such as Polyquaternium-1, Polyquaternium-2, Polyquaternium-3, Polyquaternium-4, Polyquaternium-5, Polyquaternium-6, Polyquaternium-7, Polyquaternium-10, Polyquaternium-11, Polyquaternium-16, Polyquaternium-44, Polyquaternium-46, Polyquaternium-59), UV-absorbing quaternium compositions (cinnamidopropyltrimonium chloride), quaternium compositions (Quaternium-82, Quaternium-7 Quaternium-10, or Quaternium-79 (condensates), silicone quaternium compositions, and/or polymeric quaternium compositions such as polyquaternium-46 (vinyl caprolactam/vinylpyrrolidone/methylvinylimidazolium methylsulfate).

L58 ANSWER 8 OF 14 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN
 AN 2005-160964 [17] WPIX
 CR 2005-080485 [09]; 2006-252013 [26]; 2006-252014 [26]; 2006-282976 [29]
 DNC C2005-051885
 TI Composition, useful as e.g. personal care and cosmetic formulation, comprises an active or functional organic compound **solubilized** in a phenylethyl ester, which is an aryl carboxylic ester of 2-phenylethyl alcohol.
 DC A96 A97 B07 C07 D21 E19
 IN BERTZ, S H; DARANGELIS, S T; MAKAROVSKY, I;
 REREK, M
 PA (BERTZ-I) BERTZ S H; (DARC-I) DARANGELIS S T; (MAKA-I) MAKAROVSKY I;
 (RERE-I) REREK M
 CYC 1
 PI US--2005019280 A1 20050127 (200517)* 8 A61K-007-42
 ADT US--2005019280 A1 CIP of 2003US-0617497 20030711, 2004US-0859533
 20040602
 PRAI 2004US-0859533 20040602; 2003US-0617497
 20030711
 IC ICM A61K-007-42
 AB US2005019280 A UPAB: 20060801
 NOVELTY - Composition (I) comprises an active or functional organic compound **solubilized** in a phenylethyl ester, which is an aryl carboxylic ester of 2-phenylethyl alcohol.
 DETAILED DESCRIPTION - Composition (I) comprises an active or functional organic compound **solubilized** in a phenylethyl ester, which is an aryl carboxylic ester of 2-phenylethyl alcohol.
 An INDEPENDENT CLAIM is also included for a process for making 2-phenylethyl benzoate, toluate or phthalate.
 ACTIVITY - None given.
 MECHANISM OF ACTION - None given.
 USE - (I) is useful as personal care, cosmetic, pharmaceutical, agricultural, industrial, sunscreen composition or sunscreen-containing formulation (claimed).
 Dwg.0/0
 FS CPI
 FA AB; DCN
 MC CPI: A12-V01; A12-V04; A12-W04; B01-C05; B02-C; B02-C01; B02-L; B06-D08;
 B06-D09; B07-A02B; B07-D04D; B07-D09; B07-F01; B10-A08; B10-A09B;
 B10-C03; B10-C04A; B10-E02; B10-F02; B10-G02; C01-C05; C02-C;
 C02-C01; C02-L; C06-D08; C06-D09; C07-A02B; C07-D04D; C07-D09;
 C07-F01; C10-A08; C10-A09B; C10-C03; C10-C04A; C10-E02; C10-F02;
 C10-G02; D08-B09A1; D09-E01; E01; E02; E05-E01B; E06-D09;
 E07-A02F; E07-A02H; E07-A03C; E07-D04D; E07-D09D; E07-F01; E10-A08B;
 E10-A09B4; E10-A15F; E10-B02A1; E10-C02C2; E10-C04C; E10-E02F1;
 E10-F02A1; E10-F02A2; E10-G02A1; E10-G02H1
 TECH UPTX: 20050311
 TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preparation (claimed): Preparation of 2-phenylethyl benzoate, toluate or phthalate (II) comprises heating 2-phenylethyl alcohol and an aryl carboxylic acid, ester or anhydride with an acid catalyst and recovering the product.
 Preferred Process: The aryl carboxylic acid is benzoic acid, ortho or para-methylbenzoic acid or phthalic acid or their esters or anhydrides. The acid catalyst is tin oxalate or an organotin oxide.

TECHNOLOGY FOCUS - PHARMACEUTICALS - Preferred Composition: The phenylethyl ester is 2-phenylethyl benzoate, 2-phenylethyl toluate or di-2-phenylethyl phthalate. The active compound is a solid organic compound (UV-filter, cosmetic, and pharmaceutical compounds (preferably UV-filter compound (avobenzone, benzophenone-3, p-aminobenzoic acid (PABA), camphor benzalkonium methosulfate, homosalate, phenylbenzimidazole sulfonic acid, terephthalidene dicamphor sulfonic acid, benzylidene camphor sulfonic acid, octocrylene, polyacrylamidomethyl benzylidene camphor, ethylhexyl methoxycinnamate, PEG-25 PABA, isooamyl p-methoxycinnamate, ethylhexyl triazole, drometrizole trisiloxane, diethylhexyl butamido triazole, 4-methylbenzylidene camphor, 3-benzylidene camphor, ethylhexyl salicylate, ethylhexyl dimethyl PABA, benzophenone-4, benzophenone-5, methylene bis-benztriazolyl tetramethylbutylphenol, disodium phenyl dibenzimidazole tetrasulfonate, bis-ethylhexyloxyphenol methoxyphenol triazine and/or polysilicone-15) and a pharmaceutical compound (furosemide, lovastatin, clarithromycin; diclofenac, famotidine, carbamazepine, dipyradimole, chlorthiazide, spironolactone, dilantin, imipranine, melfloquine, cyclosporine, glyburide and/or nimodipine)). (I) is a personal care, cosmetic, pharmaceutical, agricultural or industrial formulation. (I) is a sunscreen composition or sunscreen-containing formulation. (I) containing UVA and/or UVB chemical compounds, shows increased critical wavelength and UVA/UVB absorbance ratio. The active compound is solubilized in an amount of at least 20% w/w. (I) effectively delivers the compound.

L58 ANSWER 9 OF 14 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN
 AN 2005-081413 [09] WPIX
 CR 2004-534002 [51]; 2004-543342 [52]; 2005-075067 [08]; 2005-075229 [08];
 2005-081414 [09]; 2005-091452 [10]; 2005-151947 [16]
 DNC C2005-028167
 TI New amine and cyclic amine compounds are amyloid deposition inhibitors used for treating and preventing e.g. mild cognitive impairment, vascular dementia and Alzheimer's disease.
 DC B04
 IN GERVAIS, F; KONG, X; SZAREK, W A; MIGNEAULT, D; VALADE, I; WU, X
 PA (NEUR-N) NEUROCHEM INC; (NEUR-N) NEUROCHEM INT LTD; (TOOH) UNIV QUEENS KINGSTON; (GERV-I) GERVAIS F; (KONG-I) KONG X; (MIGN-I) MIGNEAULT D; (VALA-I) VALADE I; (WUXX-I) WU X
 CYC 109
 PI WO--2004113275 A2 20041229 (200509)* EN 243 C07C-309-00
 RW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE
 LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
 W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE
 DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
 KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ
 OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG
 US UZ VC VN YU ZA ZM ZW
 US--2005038117 A1 20050217 (200514) A61K-031-205
 US--2005096385 A1 20050505 (200531) A61K-031-185
 EP----1644325 A2 20060412 (200626) EN C07C-309-00
 R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU
 LV MC MK NL PL PT RO SE SI SK TR
 MX--2005014166 A1 20060301 (200651) C07C-309-00
 ADT WO--2004113275 A2 2004WO-IB002375 20040621; US--2005038117 A1 Provisional 2003US-480906P 20030623, Provisional 2003US-512047P 20031017, 2004US-0871365 20040618; US--2005096385 A1 Provisional 2003US-480906P 20030623, Provisional 2003US-512047P 20031017, 2004US-0871514 20040618; EP----1644325 A2 2004EP-0744034 20040621, 2004WO-IB02375 20040621; MX--2005014166 A1 2004WO-IB02375 20040621, 2005MX-0014166 20051221
 FDT EP----1644325 A2 Based on WO--2004113275; MX--2005014166 A1 Based on WO--2004113275
 PRAI 2004US-0871514 20040618; 2003US-480906P 20030623;
 2003US-512047P 20031017; 2004US-0871365 20040618
 IC ICM A61K-031-185; A61K-031-205; C07C-309-00
 ICS A61K-031-36

AB WO2004113275 A UPAB: 20060809

NOVELTY - Amine and cyclic amine compounds (I)-(VII), are new.

DETAILED DESCRIPTION - Amine and cyclic amine compounds of formula R1-L1-N(R2)-L2-Y (I), R1-L-N(R2a)-(CH2)n-Ya (II), R14-(aa)m1-N(R15)-(CH2)n1-SO2-A-R11a (V), R20-Y2(R21)(R23)-C(=Y1R22)-N(R19)-(CH2)n2-SO2-A-R11 (VI), N3-(CH2)3SO3Na, H2N-(CH2)6-SO3H, H2N-(CH2)5-SO3H, H2N-C(=NH)-S-(CH2)3-SO3H, H2N-(CH2)5-SO3H, N=N+=N-(CH2)3-SO3H, (III), (IV) and (VII), their salts, esters and prodrugs, are new.

R1 = cycloalkyl, heterocyclyl, aryl, arylcycloalkyl, bicyclic or tricyclic ring, bicyclic or tricyclic fused ring or 2-10C alkyl;

R2 = H or alkyl;

Y = SO3-X+;

X+ = H or a cationic group;

L1, L2 = 1-5C alkyl or absent;

R2a = H, alkyl, mercaptoalkyl, alkenyl, alkynyl, cycloalkyl, aryl, arylalkyl, thiazolyl, triazolyl, imidazolyl, benzothiazolyl or benzoimidazolyl, or

R1 + R2a = heterocyclyl;

Ya = SO3-Xa+, OSO3-Xa+, or SSO3-Xa+;

Xa+ = H, cationic group or ester forming group;

n = 1-4;

L = optionally substituted 1-3C alkyl;

A = N or O;

R11a = H, salt-forming cation, ester forming group or (CH2)x-Q, or in (V)-(VII); A + R11a = the residue of a natural or unnatural amino acid, its salts or esters

Q = H, thiazolyl, triazolyl, imidazolyl, benzothiazolyl, or benzoimidazolyl;

x = 0-4;

n1 = 0-10;

R3-R7, R3a-R7a = H, alkyl, mercaptoalkyl, alkenyl, alkynyl, cycloalkyl, aryl, alkylcarbonyl, arylcarbonyl, alkoxy carbonyl, CN, halo, amino or tetrazolyl, or

2 of R3-R7, R3a-R7a on adjacent rings = a double bond, or in (IV), CR4 + CR5 or CR6 + CR7 = a double bond;

m = 0-4;

R8-R12 = H, halo, alkyl, alkoxy, haloalkyl, mercaptoalkyl, alkenyl, alkynyl, cycloalkyl, aryl, CN, thiazolyl, triazolyl, imidazolyl, tetrazolyl, benzothiazolyl or benzoimidazolyl;

aa = natural or unnatural amino acid residue;

m1 = 0-3;

R14 = H or protecting group;

R15 = H, alkyl or aryl;

n2 = 1-10;

R19 = H, alkyl or aryl;

Y1 = O, S or N;

Y2 = C, N or O;

R20 = H, alkyl, amino, mercaptoalkyl, alkenyl, alkynyl, cycloalkyl, aryl, arylalkyl, thiazolyl, triazolyl, tetrazolyl, imidazolyl, benzothiazolyl, benzoimidazolyl;

R21 = absent (if Y2 is O), H, alkyl, mercaptoalkyl, alkenyl, alkynyl, cycloalkyl, aryl, arylalkyl, thiazolyl, triazolyl, tetrazolyl, imidazolyl, benzothiazolyl or benzoimidazolyl;

R22 = H, hydroxy, alkoxy or aryloxy (if Y1 is N) or absent (if Y1 is O or S) or H, alkyl, mercaptoalkyl, alkenyl, alkynyl, cycloalkyl, aryl, arylalkyl, thiazolyl, triazolyl, tetrazolyl, imidazolyl, benzothiazolyl or benzoimidazolyl, or

R22 + R21 = a cyclic group if Y1 is N;

R23 = absent (if Y2 is N or O), H, alkyl, amino, mercaptoalkyl, alkenyl, alkynyl, cycloalkyl, aryl, arylalkyl, thiazolyl, triazolyl, tetrazolyl, imidazolyl, benzothiazolyl or benzoimidazolyl;

n3 = 2-4;

G = a bond, O, N or S;

z = 0-5;

m2 = 0 or 1;

R24 = H, alkyl, mercaptoalkyl, alkenyl, alkynyl, aroyl,

alkylcarbonyl, aminoalkylcarbonyl, cycloalkyl, aryl, arylalkyl, thiazolyl, triazolyl, imidazolyl, benzothiazolyl or benzoimidazolyl;

R25 = H, halo, CN, hydroxy, alkoxy, thiol, amino, nitro, alkyl, aryl, carbocyclyl or heterocyclyl; and

Provided that:

- (1) in (I), when R1 is alkyl, L1 is absent;
- (2) in (I), when R2 is benzyl, L1 is methylene, R1 is phenyl, L2 is (CH₂)₃ and Y is not SO₃-X⁺;
- (3) in (I), when R2 is H, L2 is (CH₂)₃, L1 is methylene, R1 is 1,3-benzodioxol-5-yl or 3,4-methoxybenzyl and Y is not SO₃-X⁺;
- (4) in (I), when R2 is H, L2 is (CH₂)₃, L1 is absent, R1 is t-butyl, isobutyl, pentyl, n-heptyl, n-octyl, n-nonyl, cyclohexyl, isopropyl, isoamyl, 1-hydroxy-2-propyl, 3,5-dimethyl-1-adamantyl, 1-hydroxy-2-pentyl, 3-methyl butyric acid, 4-methyl-pentanoic acid methyl ester or 2,2-diphenyl-ethyl and Y is not SO₃-X⁺;
- (5) in (II), when R1 is alkyl, L is absent;
- (6) 1 of R₃, R_{3a}, R₅, R_{5a}, R₆ and R_{6a} is a group of formula (i);
- (7) (III) is not 3-(4-phenyl-1,2,3,6-tetrahydro-1-pyridyl)-1-propane sulfonic acid;

(8) when R_{3a}-R_{7a} and R₃-R₇ are H, R₃ is not (i);
 (9) in (V), A + R_{11a} do not form a leucine residue; and
 (10) in (VI), R₂₁ and R₂₂ are not linked to form aryl.

RA-RE = H, halo, hydroxy, alkyl, alkoxy, haloalkyl, mercaptoalkyl, alkenyl, alkynyl, cycloalkyl, aryl, cyano, thiazolyl, triazolyl, imidazolyl, tetrazolyl, benzothiazolyl or benzoimidazolyl.

INDEPENDENT CLAIMS are also included for:

- (1) a kit used for treating amyloid related disease which comprises (I)-(XIV) and instructions for use;
- (2) treating or preventing amyloid related disease, reducing amyloid deposits, reducing the rate of change of organ function due to amyloid deposition, inhibiting fibril formation and treating cerebral amyloid angiopathy or hereditary cerebral hemorrhage which comprises administering (I)-(XIV);
- (3) a composition which comprises (I)-(XIV), and
- (4) treating amyloid-related disease which comprising administering a cognitive test prior to administration of (I)-(XIV), administering (I)-(XIV), and administering a cognitive test, where the score on the cognitive test improves.

ACTIVITY - Analgesic; Antidiabetic; Antiinflammatory; Antipyretic; Antithyroid; Auditory; Cardiovascular-Gen.; Cerebroprotective; Cytostatic; Dermatological; Hemostatic; Nephrotropic; Neuroprotective; Nootropic; Ophthalmological; Osteopathic; Vasotropic.

No biological data is given.

MECHANISM OF ACTION - Amyloid deposition inhibitor.

USE - Used for treating or preventing amyloid related disease, particularly Alzheimer's disease, cerebral amyloid angiopathy, inclusion body myositis, macular degeneration, mild cognitive impairment, Down's syndrome, diabetes, amyloid A amyloidosis, AL amyloidosis, hemodialysis amyloidosis, hereditary cerebral hemorrhage, senile dementia, familial amyloid polyneuropathy, senile systemic amyloidosis, Tenosynovium, familial amyloidosis, Ostertag-type, non-neuropathic amyloidosis, cranial neuropathy, familial dementia, chronic dialysis, familial Creutzfeldt-Jakob disease, Gerstmann-Straussler-Scheinker syndrome, hereditary spongiform encephalopathies, prion diseases, familial Mediterranean fever, Muckle-Wells syndrome, nephropathy, deafness, urticaria, limb pain, cardiomyopathy, cutaneous deposits, multiple myeloma, benign monoclonal gammopathy, macroglobulinemia, myeloma associated amyloidosis, medullary carcinomas of the thyroid isolated atrial amyloid and mild to moderate cognitive impairment (all claimed).

ADVANTAGE - Deposition of amyloid protein is reduced by at least 15%, 40%, 60% or 80%.

Dwg.0/0

FS CPI

FA AB; GI; DCN

MC CPI: B06-H; B07-H; B10-A08; B10-A09B; B10-D03; B14-C01; B14-C03; B14-C04; B14-F01B; B14-F02; B14-F08; B14-H01J1; B14-J01A4; B14-N01; B14-N02;

B14-N03; B14-N10; B14-N11; B14-N16; B14-N16B; B14-N17; B14-S04
 ABEX UPTX: 20050207

SPECIFIC COMPOUNDS - About 385 compounds (I) and (II) are specifically claimed e.g. 3-cyclopropylamino-1-propane sulfonic acid (Ia).
 10 Compounds (III) are specifically claimed e.g. 4-(4-chlorophenyl)-1,2,3,6-tetrahydropyridin-1-yl-1-propane sulfonic acid.
 5 Compounds (IV) are specifically claimed e.g. 4-phenyl-2,3,5,6-tetrahydropyrazin-1-yl-1-propane sulfonic acid (IVa).
 10 Compounds (VI) are specifically claimed e.g. 2-(((1-amino-2-phenyl)ethylcarbonylamino(benzyl)methyl)carbonylamino)ethane sulfonic acid (Va).
 15 Compounds (VII) are specifically claimed e.g. 3-(benzyloxycarbonylamino)-2-hydroxy-1-propane sulfonic acid (VIIa).
 10 Compounds (VII) are specifically claimed e.g. 3-(3,5-dihydroxybenzylamino)-1-propane sulfonic acid (VIIa).

ADMINISTRATION - Administration is oral (claimed), pulmonary, intranasal, intramuscular, intraperitoneal, intravenous, subcutaneous, inhalation, transdermal or intradermal. No dosage is given.
 Administration is to a subject over 40, 50, 60, 70, 80 or 85 years old, particularly a post-menopausal female on hormone replacement therapy.

EXAMPLE - Cyclopropylamine (52 mmol) was added to a solution of 1,3-propane sultone (55.3 mmol) in tetrahydrofuran (60 ml) and the mixture was heated at 42degreesC for 12 hours. The mixture was then heated at reflux for 1 hour and cooled to room temperature. The solid material was collected by filtration, dried in an oven for 2 hours at 60degreesC (4.95 g) and recrystallized in methanol/water (35 ml/5 ml). The mixture was cooled and solid was collected by filtration, rinsed with methanol (15 ml), air dried for 15 minutes and dried at 60degreesC overnight to give 3-cyclopropylamino-1-propane sulfonic acid (Ia) (3.74 g; 40%), m. pt. 234-236degreesC.

TECH UPTX: 20050207

TECHNOLOGY FOCUS - BIOTECHNOLOGY - Preferred Method: (I)-(XIV) Inhibit amyloid fibril formation or amyloid peptide, in its soluble, oligomeric form or in its fibrillar form, from binding or adhering to a cell surface and causing cell damage or toxicity. (I)-(XIV) Also block amyloid-induced cellular toxicity or microglial activation, block amyloid-induced neurotoxicity, reduce the rate or amount of amyloid aggregation, fibril formation, or deposition, slow the rate of amyloid fibril formation or deposition, reduce the degree of amyloid deposition, inhibit, reduce or prevent amyloid fibril formation, inhibit amyloid induced inflammation, enhance the clearance of amyloid from the brain, alter the equilibrium of amyloid between the cerebrospinal fluid or brain and the plasma and decreases the amount of amyloid-beta in the brain versus the equilibrium distribution in an untreated subject, reverses deposition of amyloid deposits, favors deposition of amyloid, favors plaque clearance or slows deposition, decreases the amyloid concentration in the brain, penetrates into the brain, maintains soluble amyloid in a non-fibrillar form, increases the rate of clearance of soluble amyloid from the brain and inhibits or reduces an interaction between amyloid and a cell surface constituent. The cognitive test is clinical dementia rating (CDR), mini-mental state examination (MMSE) or Alzheimer's disease assessment scale cognitive (ADAS-Cog), where the score is maintained. The cognitive test is CDR or ADAS-Cog, where the score is decreased. The cognitive test is MMSE, where the score is increased, and where the rate of increase of the score on CDR or ADAS-Cog, is less than that of untreated controls, and the rate of decrease of the score on MMSE, is less than that of untreated controls. Preferred Components: The amyloid protein is A₁H amyloid protein, A₁L amyloid protein, amyloid lambda, amyloid k, amyloid k₁V, amyloid gamma or amyloid gamma₁. The cell surface constituent is a glycosaminoglycan or proteoglycan constituent of a basement membrane. The amyloid is an amyloid-beta peptide having 39-43 amino-acids, or an amyloidogenic peptide produced from betaAPP. The body fluid is inhibiting amyloid deposition is blood, and is in contact with (I)-(XIV) ex vivo.

TECHNOLOGY FOCUS - PHARMACEUTICALS - Preferred Composition: The composition also comprises an acid, base, buffering agent, inorganic salt, solvent or preservative, and a compound that increases the cerebral bioavailability of (I)-(XIV) dissolved in a liquid vehicle. (I)-(XIV) is present as a homogenous mixture in a capsule or pill.

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preparation: None given.

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 AN 2005-080485 [09] WPIX
 CR 2005-160964 [17]; 2006-252013 [26]; 2006-252014 [26]; 2006-282976 [29]
 DNC C2005-027929
 TI Composition of active or functional organic compound solubilized in phenylethyl ester, useful as personal care e.g. a sunscreen, cosmetic, agricultural or industrial composition.
 DC B05 C03 D21
 IN BERTZ, S H; DARANGELIS, S T; MAKAROVSKY, I;
 REREK, M
 PA (BERTZ-I) BERTZ S; (DARC-I) DARANGELIS S; (MAKA-I) MAKAROVSKY I; (RERE-I) REREK M; (BERT-I) BERTZ S H; (DARC-I) DARANGELIS S T; (ISPI-N) ISP INVESTMENTS INC
 CYC 109
 PI US--2005008586 A1 20050113 (200509)* 7 A61K-007-42 <--
 WO--2005009341 A2 20050203 (200510) EN A61K-000-00
 RW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE
 LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
 W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE
 DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
 KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ
 OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG
 US UZ VC VN YU ZA ZM ZW
 EP----1648853 A2 20060426 (200628) EN C07C-067-14
 R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU
 LV MC MK NL PL PT RO SE SI SK TR
 MX--2005013543 A1 20060301 (200649) A61K-000-0000
 AU--2004258836 A1 20050203 (200653) C07C-067-03
 ADT US--2005008586 A1 2003US-0617497 20030711; WO--2005009341 A2
 2004WO-US17500 20040602; EP----1648853 A2 2004EP-0754167 20040602,
 2004WO-US17500 20040602; MX--2005013543 A1 2004WO-US17500 20040602,
 2005MX-0013543 20051213; AU--2004258836 A1 2004AU-0258836 20040602
 FDT EP----1648853 A2 Based on WO--2005009341; MX--2005013543 A1 Based on
 WO--2005009341; AU--2004258836 A1 Based on WO--2005009341
 PRAI 2003US-0617497 20030711
 IC ICM A61K-000-00; A61K-000-0000; A61K-007-42; C07C-067-03; C07C-067-14
 AB US2005008586 A UPAB: 20060817
 NOVELTY - Composition (I) of an active or functional organic compound solubilized in a phenylethyl ester (aryl carboxylic ester of 2-phenylethyl alcohol).
 DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:
 (1) preparation of 2-phenylethyl benzoate, toluate or phthalate comprising heating of 2-phenylethyl alcohol and an aryl carboxylic acid, ester or anhydride with an acid catalyst and recovery of the product; and
 (2) a formulation (III) that includes (I).
 ACTIVITY - Dermatological; Vulnerary.
 No biological data given.
 MECHANISM OF ACTION - None given.
 USE - (I) is useful as personal care e.g. a sunscreen, cosmetic, pharmaceutical, agricultural or industrial composition (claimed).
 ADVANTAGE - (A) shows an increased critical wavelength and ultraviolet A/ultraviolet B absorbance ratio performance properties. (III) effectively delivers the compound (all claimed). The process economically affords a product with low color and low odor and low environmental impact (no solvents, no stoichiometric reagents, no dangerous by-products).
 Dwg.0/0
 FS CPI

FA AB; DCN
 MC CPI: B10-C04C; B10-E02; B10-F02; B10-G02; B14-R05; C10-C04C;
 C10-E02; C10-F02; C10-G02; C14-R05; D08-B09A;
 D09-E01; N03-G; N07-D07

TECH UPTX: 20050207

TECHNOLOGY FOCUS - PHARMACEUTICALS - Preferred Composition: The phenylethyl ester is 2-phenylethyl benzoate, 2-phenylethyl toluate or di-2-phenylethyl phthalate. The active compound is a solid organic compound. The active or functional compound is a personal care, cosmetic, pharmaceutical, agricultural or industrial compound. (I) is a sunscreen composition (A) that contains ultraviolet A (UVA) and/or ultraviolet B (UVB) chemical compounds and shows increased critical wavelength and UVA/UVB absorbance ratio. In (A), the active compounds (avobenzene or benzophenone-3) are solubilized in at least 20% w/w. In the process, the aryl carboxylic acid is benzoic acid, ortho or para-methylbenzoic acid or phthalic acid or their esters or anhydrides and the acid catalyst is tin oxalate or an organotin oxide. (III) is a sunscreen or sunscreen-containing formulation.

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 AN 2004-624768 [60] WPIX

DNC C2004-224586

TI Cosmetic mask composition, useful to treat e.g. skin aging, comprises skin beneficial cosmetic/drug composition, composition to promote e.g. muscle toning, binder composition and a delivery system/carrier base composition.

DC A11 A17 A26 A96 B04 D21 D22

IN GUPTA, S K

PA (GUPT-I) GUPTA S K

CYC 1

PI US--2004161435 A1 20040819 (200460)* 12 A61K-007-42

ADT US--2004161435 A1 2003US-0248753 20030214

PRAI 2003US-0248753 20030214

IC ICM A61K-007-42

ICS A61K-007-00; A61K-007-06; A61K-035-78

AB US2004161435 A UPAB: 20040920

NOVELTY - Cosmetic mask composition (I) suitable for facial or body application comprises at least one skin beneficial cosmetic/drug composition (A), at least one composition (B) to promote excess fat reduction, cellulite control and/or muscle toning, at least one binder composition and a delivery system or a carrier base composition.

DETAILED DESCRIPTION - Cosmetic mask composition (I) suitable for facial or body application comprises at least one skin beneficial cosmetic/drug composition (A), at least one composition (B) to promote excess fat reduction, cellulite control and/or muscle toning, at least one binder composition that binds with the ingredients of the (A) and (B) by electrostatic, atomic/ionic charges to synergistically enhance the benefits of (A) and (B), and a cosmetically or pharmaceutically acceptable delivery system or a carrier base composition.

ACTIVITY - Dermatological; Antiseborrheic; Antimicrobial.

No biological data given.

MECHANISM OF ACTION - None given.

USE - (I) is used to treatment of skin aging, skin wrinkles reduction, skin exfoliating, treatment of acne, treatment of rosacea, age spots reduction, skin surface whitening, skin surface brightening, striae - distensae (stretch marks) reduction, treatment of pimples, treatment of skin infections and lesions, varicose and spider veins reduction, blood microcirculation improvement, UVA/UVB protection of skin and/or skin redness reduction benefits (claimed).

ADVANTAGE - (I) exhibits multiple synergistic benefits.

Dwg. 0/0

FS CPI

FA AB; DCN

MC CPI: A12-V01; A12-V04C; B01-C04; B01-C05; B01-D02; B03-A; B03-F; B03-G;
 B03-H; B03-J; B04-A06; B04-A08; B04-A09; B04-A10; B04-B03A; B04-C02A;
 B04-C02D; B04-C02E3; B05-A01B; B05-A03B; B05-B01P; B05-B02C; B06-A01;
 B06-A03; B06-D01; B07-A01; B07-A02A; B07-A02B; B07-B03; B07-D04C;

B07-D09; B08-A; B10-A07; B10-A17; B10-A22; B10-B02D; B10-B03B;
 B10-C02; B10-C03; B10-C04B; B10-C04D; B10-E02; B14-A01; B14-A02;
 B14-N17; D08-B; D08-B09; D08-B10; D09-E01

TECH

UPTX: 20040920

TECHNOLOGY FOCUS - PHARMACEUTICALS - Preferred Components: (B) is forskohlin extract (from Coleus forskohlii plant), hydroxycitric acid, (from Garcinia cambogia, and plants of garcinia family), L-carnitine, creatine, human growth hormone (HGH), chromium picolinate, kola seed extract, caffeine, niacinamide, psyllium husk, chitosan, lipoprotein complexes, polyphenols, gymnemic acid, pyruvic acid and pyruvate salts, salts of hydroxycitric acid, phaseolamin (from Phaseolus vulgaris extract), DHEA, chitosan, theophylline, theobromine (or salts thereof such as aminophylline), roselle tea extract, arabinose, inosine, adenosine, fructose-1,6-diphosphate, adenosine triphosphate (ATP), adenosine diphosphate (ADP), indomethacin, baicalein, extract of the plant of genus Tephrosia, natriuretic peptide, laminaria extract, extract from berries of Panax genus plant, Gymnema sylvestre extract, 9-cis, 11-trans conjugated linoleic acid and 10-trans, 12-cis conjugated linoleic acid isomers (conjugated linoleic acid, CLA), synephrine, hordenine, octopamine, tyramine, N-methyltyramine, azaftig, extract of climbing ivy (Hedera helix), extract of arnica (Arnica montana), extract of rosemary (Rosmarinus officinalis), extract of marigold (Calendula officinalis), extract of sage (Salvia officinalis), extract of ginseng (Panax ginseng), extract of St. Johns-wort (Hypericum perforatum), extract of ruscus (Ruscus aculeatus), extract of meadowsweet (Filipendula ulmaria) and/or extract of orthosiphon (Orthosiphon stamineus). (C) is chitosan, psyllium husk, algin, agar, carrageenan, gelatin, pectin, locust bean gum, gum arabica, xanthan gum, gellan gum, purified seaweeds (granulated Spirulina), alginate salts, rice bran husk, oat flour, oat protein, colloidal oat protein, soya flour, soya protein, wheat flour, wheat protein, milk powder, milk protein, egg powder, egg protein, casein, rice flour, corn starch, modified starches, rice starch, tapioca starch, inulin, hydrolyzed inulin, soya fibers, cotton fibers, cellulose, modified celluloses, sugars, modified carbohydrates, fenugreek fibers, silk fibers, various clays, zeolites, anhydrous zeolites, fumed silica, porous silica, alumina and/or various plant gums. The cosmetically acceptable delivery system or a carrier base can be in the form of a lotion, cream, gel, spray, thin liquid, body splash, mask, serum, solid cosmetic stick, lip balm, shampoo, liquid soap, bar soap, bath oil, cologne, hair conditioner, salve, collodion, impregnated patch, impregnated strip, skin surface implant, and any other such cosmetically or pharmaceutically acceptable topical delivery forms. (A) is antioxidants (such as ascorbic acid or its derivatives, vitamin E or its derivatives, tocotrienol, rutin, quercetin, hesperedin (Citrus sinensis), diosmin (Citrus sinensis), mangiferin (Mangifera indica), mangostin (Garcinia mangostana), cyanidin (Vaccinium myrtillus), astaxanthin (Haematococcus algae), lutein (Tagetes patula), lycopene (Lycopersicum esculentum), resveratrol (Polygonum cuspidatum), tetrahydrocurcumin (Curcuma longa), rosmarinic acid (Rosmarinus officinalis), hypericin (Hypericum perforatum), ellagic acid (Punica granatum), chlorogenic acid (Vaccinium vulgaris), oleuropein (olea europaea), alpha-lipoic acid, glutathione, andrographolide, grapeseed extract, green tea extract, polyphenols, pycnogenol (pine bark extract), white tea extract, black tea extract, (Andrographis paniculata), carnosine, niacinamide, emblica extract), collagen and elastin synthesis boosters, various hydroxy acids (alpha hydroxy acids, beta hydroxy acids, and polyhydroxy acids) (such as salicylic acid, lactic acid, glycolic acid, malic acid, mandelic acid, ascorbic acid, ascorbyl phosphoric acid, hydroxycitric acid, hydroxytetronic acid, citric acid, aleuritic acid, ellagic acid, rosmarinic acid, chlorogenic acid, polysulfonic acid, and hyaluronic acid (HYA)), vitamins (such as vitamin A, members of vitamins B group, vitamin C, vitamin D, vitamin E, vitamin K, carotenes, biotin and/or folic acid), hormones (such as progesterone, androsterone, dehydroepiandrosterone (DHEA), pregnenolone, androstenedione, melatonin and/or testosterone), skin whitening agents (such as hydroquinone, arbutin, hydroquinone derivatives, paper mulberry extract (Broussonetia kazinoke), mitracarpe extract (Mitracarpus scaber), bearberry extract

(*Arctostaphylos uva ursi*), yellow dock extract (*Rumex crispus* and *Rumex occidentalis*), glutathione, leucocyte extract, *Aspergillus orzae* extract, licorice root extract (*Glycyrrhiza glabra*), rosmarinic acid (*Rosmarinus officinalis*), tetrahydrocurcumin, Green Tea extract (*Camellia sinensis*), yohimbe extract (*Pausinystalia yohimbe*), *Ecklonia cava* extract, niacinamide, hydroxytetronic acid, *Spondias mombin* extract, *Maprounea guianensis* extract, *Walteria indica* extract, *Gouania blanchetiana* extract, *Cordia schomburgkii* extract, *Randia armata* extract and/or *Hibiscus furcellatus* extract), UVA/UVB sunscreens (such as titanium dioxide, zinc oxide, galanga extract (*Kaempferia galanga*), benzophenone-3, benzophenone-4, ethylhexyl methoxycinnamate, homosalate, ethylhexyl salicylate, octocrylene, methyl anthranilate, avobenzone, lawsone, sulisobenzene, trolamine salicylate, glyceryl aminobenzoate, cinoxate and/or PABA), antimicrobial agents (such as berberine, triclosan, triclocarban, various tritons (quaternary ammonium compounds), benzyl alcohol, dehydroacetic acid and/or phenoxyethanol), antifungal agents, blood microcirculation improvement agents (vasodilatory or vasoconstrictive) (such as horse chestnut extract (*Aesculus hippocastanum* extract)), esculin, escin, yohimbine, *capsicum* oleoresin, capsaicin, niacin or its esters, methyl nicotinate, benzyl nicotinate, ruscogenins (butchers broom extract; *Ruscus aculeatus* extract), diosgenin (*Trigonella foenumgraecum*, Fenugreek), emblica extract (*Phyllanthus emblica* extract), asiaticoside (*Centella asiatica* extract), boswellia extract (*Boswellia serrata*), ginger root extract (*Zingiber Officinalis*), piperine, vitamin K, melilot (*Melilotus officinalis* extract), glycyrrhetic acid, ursolic acid, sericoside (*Terminalia sericea* extract), darutoside (*Siegesbeckia orientalis* extract), *Amni visnaga* extract, extract of red vine (*Vitis-Vinifera*) leaves, apigenin, phytosan and/or luteolin) and/or skin protectant drug actives (allantoin, petrolatum, glycerin, dimethicone, urea, calamine, cocoa butter, kaolin, zinc acetate and/or zinc carbonate). The quantities of such compositions can be safe and effective amounts as needed, and not limited to any specific limits. The cosmetically acceptable delivery system can be prepared separately and all other ingredients can be added separately in the form of mixtures, solutions, suspensions or emulsions to facilitate the manufacturing of such compositions. (A) to promote collagen and elastin in the skin is ascorbic acid or its derivatives, glucosamine ascorbate, arginine ascorbate, lysine ascorbate, glutathione ascorbate, nicotinamide ascorbate, niacin ascorbate, allantoin ascorbate, creatine ascorbate, creatinine ascorbate, chondroitin ascorbate, chitosan ascorbate, DNA ascorbate, carnosine ascorbate, vitamin E or its derivatives, tocotrienol, rutin, quercetin, hesperedin (*Citrus sinensis*), diosmin (*Citrus sinensis*), mangiferin (*Mangifera indica*), mangostin (*Garcinia mangostana*), cyanidin (*Vaccinium myrtillus*), astaxanthin (*Haematococcus algae*), lutein (*Tagetes patula*), lycopene (*Lycopersicum esculentum*), resveratrol (*Polygonum cuspidatum*), tetrahydrocurcumin (*Curcuma longa*), rosmarinic acid (*Rosmarinus officinalis*), hypericin (*Hypericum perforatum*), ellagic acid (*Punica granatum*), chlorogenic acid (*Vaccinium vulgaris*), oleuropein (*olea europaea*), a-lipoic acid, niacinamide lipoate, glutathione, andrographolide (*Andrographis paniculata*), carnosine, niacinamide, *Potentilla erecta* extract, polyphenols, grapeseed extract and/or pycnogenol (Pine Bark extract). The cosmetically or pharmaceutically acceptable delivery system can be traditional water and oil emulsions, suspensions, colloids, microemulsions, clear solutions, suspensions of nanoparticles, emulsions of nanoparticles, or anhydrous compositions. The cosmetically or pharmaceutically acceptable delivery system or carrier base can optionally include additional skin beneficial ingredients from skin cleansers, surfactants (cationic, anionic, non-ionic, amphoteric, and zwitterionic), skin and hair conditioning agents, vitamins, hormones, minerals, plant extracts, antiinflammatory agents, concentrates of plant extracts, emollients, moisturizers, skin protectants, humectants, silicones, skin soothing ingredients, analgesics, skin penetration enhancers, solubilizers, moisturizers, emollients, anesthetics, colorants, perfumes, preservatives, seeds, broken seed nut shells, silica, clays, beads, luffa particles, polyethylene balls, mica, pH adjusters and/or processing aids. The mask may be a two-compartment composition and

the composition in the first compartment can be anhydrous pr water based and in the second compartment can similarly be anhydrous or water-based.

L58 ANSWER 12 OF 14 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN
 AN 2001-663006 [76] WPIX
 DNC C2001-194785
 TI Topical composition useful for treatment of skin damage e.g. eczema comprises olive oil polyphenols containing hydroxytyrosol.
 DC B04 B05 D21
 IN PERRICONE, N V
 PA (PERR-I) PERRICONE N V
 CYC 94
 PI WO---200176579 A1 20011018 (200176)* EN 16 A61K-031-05
 RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ
 NL OA PT SD SE SL SZ TZ UG ZW
 W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM
 DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
 LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
 SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
 AU---200058901 A 20011023 (200213) A61K-031-05
 US----6437004 B1 20020820 (200257) A61K-031-045
 ADT WO---200176579 A1 2000WO-US017488 20000623; AU---200058901 A
 2000AU-0058901 20000623; US----6437004 B1 Provisional 2000US-195171P
 20000406, 2000WO-US17488 20000623, 2001US-0763333 20010507
 FDT AU---200058901 A Based on WO---200176579; US----6437004 B1 Based on
 WO---200176579
 PRAI 2000US-195171P 20000406; 2001US-0763333 20010507
 IC ICM A61K-031-045; A61K-031-05
 ICS A61K-031-335; A61K-031-35
 AB WO 200176579 A UPAB: 20011227
 NOVELTY - Composition comprises olive oil polyphenols containing hydroxytyrosol.
 ACTIVITY - Dermatological; antiinflammatory; antipsoriatic; vulnerary.
 No details of tests are given.
 MECHANISM OF ACTION - Collagen promoter; dermis microscarring inhibitor.
 USE - For treatment of skin damage such as eczema, atopic dermatitis, contact dermatitis (preferably diaper area dermatitis), seborrhea, skin inflammation, aging, xerosis, rosacea, thermal or radiation burns and psoriasis (claimed).
 ADVANTAGE - The composition is simple, non-invasive, natural, economical, nontoxic and effective for treating all types of skin diseases. The composition contains active compound, which is fatty so that it physically contributes to the lubrication of affected skin areas to which it is applied. The composition is fat-soluble and readily disperses in cell membranes and other cellular components.
 Dwg.0/0
 FS CPI
 FA AB; DCN
 MC CPI: B07-A02B; B07-A03; B10-E02; B14-N17A; B14-N17C; D08-B09A
 ABEX UPTX: 20011227
 ADMINISTRATION - The composition is applied topically in form of oil-in-water cream.
 TECH UPTX: 20011227
 TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Components: The polyphenols are selected from hydroxytyrosol and/or oleuropein (preferably hydroxytyrosol). The polyphenols are derived from olive oil. The composition comprises an alpha-hydroxy acid adjunct ingredient. Preferred Composition: The composition comprises polyphenols (0.25 - 7 wt. %).

L58 ANSWER 13 OF 14 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN
 AN 2000-389302 [34] WPIX
 DNC C2000-118382
 TI Precursors for organoleptic compounds, masking agents and antimicrobial

agents are serine carbonates.

DC B05 D21 D22 D25 E19

IN ANDERSON, D; FRATER, G; GOLDMAN, V S; KUMLI, F; WITTENBERG, J; STREUSAND GOLDMAN, V

PA (GIVA) GIVAUDAN-ROURE INT SA; (GIVA) GIVAUDAN SA; (ANDE-I) ANDERSON D; (FRAT-I) FRATER G; (GOLD-I) GOLDMAN V S; (KUML-I) KUMLI F; (WITT-I) WITTENBERG J; (GILL) GILLETTE CO

CYC 84

PI EP----1008587 A1 20000614 (200034)* EN 22 C07C-271-22
 R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT
 RO SE SI

WO---200034232 A1 20000615 (200035) EN
 RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB
 GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
 LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
 TT UA UG US UZ VN YU ZA ZW

AU---200013712 A 20000626 (200045)
 EP----1053223 A1 20001122 (200061) EN C07C-271-22
 R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT
 RO SE SI

BR----9907697 A 20001114 (200064) C07C-271-22
 ZA---200003377 A 20010531 (200134) 40 C07C-000-00
 CN----1290248 A 20010404 (200140) C07C-271-22
 AU----745354 B 20020321 (200233) C07C-271-22
 JP---2002531542 W 20020924 (200278) 44 C07C-229-08
 MX---2000007230 A1 20011101 (200279) C07C-271-22
 US---2003018055 A1 20030123 (200310) # C07D-213-63
 US----6569411 B2 20030527 (200337) # A61K-007-32

ADT EP----1008587 A1 1998EP-0811209 19981208; WO---200034232 A1
 1999WO-CH000585 19991207; AU---200013712 A 2000AU-0013712 19991207;
 EP----1053223 A1 1999EP-0973288 19991207, 1999WO-CH00585 19991207;
 BR----9907697 A 1999BR-0007697 19991207, 1999WO-CH00585 19991207;
 ZA---200003377 A 2000ZA-0003377 20000705; CN----1290248 A 1999CN-0802796
 19991207; AU----745354 B 2000AU-0013712 19991207; JP---2002531542 W
 1999WO-CH00585 19991207, 2000JP-0586681 19991207; MX---2000007230 A1
 2000MX-0007230 20000724; US---2003018055 A1 Div ex 1999WO-CH00585 19991207,
 Div ex 2001US-0601225 20010202, 2002US-0219964 20020815; US----6569411 B2
 Div ex 1999WO-CH00585 19991207, Div ex 2001US-0601225 20010202,
 2002US-0219964 20020815

FDT AU---200013712 A Based on WO---200034232; EP----1053223 A1 Based on
 WO---200034232; BR----9907697 A Based on WO---200034232; AU----745354 B
 Previous Publ. AU---200013712, Based on WO---200034232; JP---2002531542 W
 Based on WO---200034232

PRAI 1998EP-0811209 19981208; 2002US-0219964 20020815

IC ICM A61K-007-32; C07C-000-00; C07C-229-08; C07C-271-22; C07D-213-63
 ICS A61K-007-34; A61K-007-36; A61K-007-38; C07C-069-96; C07C-219-06;
 C07C-229-10; C07C-229-18; C07C-229-22; C07C-229-28; C07C-229-36;
 C07C-233-47; C07F-007-08; C07J-041-00

AB EP 1008587 A UPAB: 20030723
 NOVELTY - Serine carbonates (I) as precursors for organoleptic compounds,
 masking agents and antimicrobial agents are new.
 DETAILED DESCRIPTION - Serine carbonates of formula (I) and their
 salts are new.
 R1 = the residue of an alcohol, phenol or the enol form of an
 aldehyde or ketone of formula R1OH;
 R2 = H, metal, ammonium, straight or branched alkyl, alkenyl,
 alkynyl, cycloalkyl, cycloalkenyl, heterocycloalkyl, heterocycloalkenyl,
 aryl or heteroaryl, whereby all organic residues may contain heteroatoms
 and may carry substituents; and
 R3, R4 and R7 = H or lower alkyl; and either CR3R4 or CR3CR7 or
 CR4CR7 may together form a ring; and
 R5 and R6 = H, straight or branched alkyl, alkenyl, alkynyl,
 cycloalkyl, heterocycloalkyl, an aromatic or heteroaromatic residue,
 alkylcarbonyl, alkoxy carbonyl, arylcarbonyl and aryloxy carbonyl; or
 NR5R6 = together form a ring, whereby all organic residues may

contain heteroatoms and may carry substituents.

USE - (I) is useful as precursors in organoleptic compounds, masking agents, antimicrobial agents and in underarm deodorants, laundry products, hair care products, cosmetics and cleaning products.

ADVANTAGE - (I) is an effective treatment for odor without being too volatile or too soluble, which would result in fragrance loss during manufacturing, storage and use.

Dwg.0/0

FS CPI

FA AB; GI; DCN

MC CPI: B10-B02H; B14-A01; B14-R03; D08-B; D09-A01; D11-C; E05-A; E05-B; E05-D; E05-F; E05-J; E05-L; E05-M; E05-N; E05-P; E06-H; E07-H02; E10-A11B1

ABEX UPTX: 20000718

SPECIFIC COMPOUNDS - Five compounds (I) are disclosed: e.g.: 3-hydroxy-2-(2-trimethylsilyl-ethoxycarbonylamino)-propionic acid methyl ester.

EXAMPLE - To a mixture of 1.25 g serine methyl ester hydrochloride, 2.25 ml triethylamine and 10 ml dichloromethane was added at 0degreesC a solution of 2.22 g carbonic acid 2,5-dioxo-pyrrolidin-1-yl ester 2-trimethylsilyl-ethyl ester. After stirring for 24 hours at room temperature the reaction mixture was washed twice with 1N potassium hydrogen sulfate, once with saturated sodium bicarbonate solution and once with brine. The organic phase was dried over magnesium sulfate, filtered and evaporated to give 2.29 g 3-hydroxy-2-(2-trimethylsilyl-ethoxycarbonylamino)-propionic acid methyl ester.

DEFINITIONS - Preferred Definitions:

R2 = an organic residue of 1-30(preferably 1-20C) atoms, or H, alkyl or arylalkyl;

R5 and R6 = preferably a carbonyl residue or a residue of formula (i);

R1 = alkyl, alkenyl, cycloalkyl, cycloalkenyl, alkylcycloalkyl or arylalkyl;

TECH UPTX: 20000718

TECHNOLOGY FOCUS - PHARMACEUTICALS - Preferred Salts: The serine carbonate salts are preferably quaternary salts.

L58 ANSWER 14 OF 14 WPIX COPYRIGHT 2006 THE THOMSON CORP on STN

AN 1999-457989 [38] WPIX

DNC C1999-134382

TI Hair regeneration composition comprises thymosin fraction extracts.

DC A14 A28 A96 B05 D21

IN MANN, M A

PA (MANN-I) MANN M A; (MANN-I) MANN M

CYC 84

PI WO----9932072 A1 19990701 (199938)* EN 38 A61K-007-06

RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL
OA PT SD SE SZ UG ZW

W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA
UG US UZ VN YU ZW

AU----9919281 A 19990712 (199950) A61K-007-06

US----6030948 A 20000229 (200018) A61K-038-00

EP----1039874 A1 20001004 (200050) EN A61K-007-06

R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

JP--2001526200 W 20011218 (200203) 45 A61K-007-06

EP----1039874 B1 20040908 (200459) EN A61K-007-06

R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DE----69826149 E 20041014 (200468) A61K-007-06

ES----2232977 T3 20050601 (200538) A61K-007-06

DE----69826149 T2 20050922 (200562) A61K-007-06

ADT WO----9932072 A1 1998WO-US026955 19981218; AU----9919281 A

1999AU-0019281 19981218; US----6030948 A 1997US-0994347 19971219;

EP----1039874 A1 1998EP-0964084 19981218, 1998WO-US26955 19981218;

JP--2001526200 W 1998WO-US26955 19981218, 2000JP-0525068 19981218;
 EP----1039874 B1 1998EP-0964084 19981218, 1998WO-US26955 19981218;
 DE----69826149 E 1998DE-0626149 19981218, 1998EP-0964084 19981218,
 1998WO-US26955 19981218; ES----2232977 T3 1998EP-0964084 19981218;
 DE----69826149 T2 1998DE-0626149 19981218, 1998EP-0964084 19981218,
 1998WO-US26955 19981218

FDT AU----9919281 A Based on WO----9932072; EP----1039874 A1 Based on
 WO----9932072; JP--2001526200 W Based on WO----9932072; EP----1039874
 B1 Based on WO----9932072; DE----69826149 E Based on EP----1039874,
 Based on WO----9932072; ES----2232977 T3 Based on EP----1039874;
 DE----69826149 T2 Based on EP----1039874, Based on WO----9932072

PRAI 1997US-0994347 19971219

IC ICM A61K-007-06; A61K-038-00
 ICS A61K-031-136; A61K-031-137; A61K-031-20; A61K-031-343; A61K-031-352;
 A61K-031-366; A61K-031-404; A61K-031-4045; A61K-031-4196;
 A61K-031-496; A61K-031-566; A61K-031-57; A61K-031-573; A61K-031-585;
 A61K-038-16; A61K-038-17; A61K-047-10; A61K-047-14; A61K-047-34;
 A61P-017-14

AB WO 9932072 A UPAB: 19990922
 NOVELTY - Thymosin fraction extracts for hair regeneration in combination
 with steroid, indole-based compound, mitocide, bioflavanoid, antifungal or
 antiinflammatory materials
 DETAILED DESCRIPTION - Hair regeneration composition comprises T
 alpha 1 and/or T beta 4 in combination with at least one steroid,
 indole-based compound, mitocide, bioflavanoid, antifungal material or
 antiinflammatory fatty acid.
 An INDEPENDENT CLAIM is included for a method of treating alopecia on
 the scalp comprising cleansing the scalp with a cleansing agent, treating
 with a keratin solvent system, applying an acid peel solution and applying
 the above hair regeneration composition.
 ACTIVITY - Hair regeneration
 USE - For stimulating and/or regenerating hair growth associated
 with hair loss such as male pattern baldness and for treatment of
 alopecia. The composition may also be used for hair regeneration in
 females.
 Dwg.0/1

FS CPI

FA AB; DCN

MC CPI: A04-F04; A10-E08A; A12-V04A; B01-C04; B01-D02; B03-K; B04-J02;
 B04-N04; B06-D01; B07-A04; B07-D09; B07-D11; B10-E04B; B11-C;
 B12-M09; B14-A04; B14-B04A; B14-C03; B14-R02; D08-B03

ABEX UPTX: 19990922
 ADMINISTRATION - Topical
 EXAMPLE - A hair regeneration composition for females comprises (in weight
 % ketoconazole (0-10), PX-13 (0-50), thymosin fraction V (0.01-10),
 progesterone (0-20), melatonin (0-10), phenoxyethanol (0-90), skin
 absorption enhancer (0-90), fragrance (0-10), indole-3-carbinol (0-20),
 pregnenolone (0-20), DHEA (0-20), querrettin methyl chalcone (0-50),
 1-thyroxine (0-1) and vehicle (qs).
 TECH UPTX: 19990922
 TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Composition: The source
 of Talphal and Tbta4 is thymosin fraction 5. The steroid comprises
 tamoxifen citrate, progesterone, pregnenolone, spirolactone, pregnenolone,
 dehydroepiandrosterone, diosgenin, triphenylethylene-based compound or
 testolactone. The indole based compound comprises indole, melatonin,
 N-(2-(5-methoxy-1H-indol-3-yl)ethyl)acetamide, skatole or
 indole-3-carbinol. The mitocide is a solution of surfactant (preferably
 Gemtek surfactant), fragrance (preferably menthol, benzyl alcohol,
 eugenol, phenoxyethanol, isopropyl palmitate, isopropyl palmitate,
 isopropyl myristate, benzyl salicylate, phenylethyl salicylate thymol,
 isoamyl salicylate, phenylethyl salicylate, Triton X-100 surfactant,
 benzoic acid, benzyl benzoate, methyl salicylate, phenol, oleic acid,
 caproic acid or carbaryl) and skin penetrant (preferably PX-13). The
 bioflavanoid comprises querrettin methyl chalcone, the antifungal material
 comprises undecylenic acid, griseofulvin, terbinafine or an azole,

particularly ketoconazole or fluconazole. The antiinflammatory fatty acid comprises TES trioleate or PX-13. The composition preferably comprises Talphal, Tbeta4, a steroid, an indole based compound, a mitocide, a bioflavanoid, an antifungal material or an antiinflammatory fatty acid. Preferred Method: The cleansing of the scalp is accomplished with a cleansing shampoo, preferably comprising a hard-surface ethoxylated cleanser, particularly Gemtek solution. The keratin solvent is an acetic acid-based formula or a urea-based gel formula, preferably comprising at least one of urea, citric acid, urea-peroxide, propylene glycol, ethoxylated alcohol or acrylic acid copolymer. The method further comprises applying a topical anesthetic prior to application of the acid peel solution, the topical anesthetic comprising a fragrance. The method further comprises a surfactant or a solubilization composition. The acid peel solution comprises at least one physiological acid, preferably citric, ascorbic or pyruvic acid and is allowed to remain on the scalp for 1 min. or 1 hour (in which case an occlusive cap is placed on the head covering the scalp). The method further comprises applying a hyperactive urea gel (HUG) formulation to solubilize bumps present on the surface of the scalp prior to application of hair regeneration composition. The HUG comprises at least one of urea, citric acid, urea-peroxide, 2-phenoxyethanol, propylene glycol, Gemtek SC-1000 or ethoxydiglycol.

=> d his

(FILE 'HOME' ENTERED AT 09:33:41 ON 21 AUG 2006)

FILE 'HCAPLUS' ENTERED AT 09:34:10 ON 21 AUG 2006

L1 4 US2005008586/PN OR US2003-617497/AP, PRN
 E BERTZ S/AU
 L2 96 E3-4, E7-8
 E DARCANDELIS/AU
 E D ARCANGELIS/AU
 L3 12 E9-12
 E MAKAROVSKY I/AU
 L4 5 E4-5
 E REREK M/AU
 L5 50 E3-7
 L6 587 ISP/CS, PA

FILE 'REGISTRY' ENTERED AT 09:37:00 ON 21 AUG 2006

FILE 'HCAPLUS' ENTERED AT 09:37:00 ON 21 AUG 2006
 L7 TRA L1 1- RN : 92 TERMS

FILE 'REGISTRY' ENTERED AT 09:37:00 ON 21 AUG 2006

L8 92 SEA L7
 L9 89 L8 AND O/ELS
 L10 82 L9 AND O>=2
 L11 STR
 L12 50 L11 CSS
 L13 11176 L11 CSS FULL
 SAV TEM NWA497F0/A L13
 L14 8 L13 AND L8

FILE 'HCAPLUS' ENTERED AT 09:42:23 ON 21 AUG 2006

L15 7780 L13
 E SUNSCREEN/CT
 E E6+ALL
 L16 8013 E7+OLD
 E E20+ALL
 L17 2517 E9+OLD
 E E20+ALL
 L18 785 E2+OLD
 E PHOTOPROTECTANTS/CT

nwaonicha 10 / 617497

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noble jarrell 21/08/2006